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REGULATIONS

FOR

ADMISSION TO MEMBERSHIP,

Physical & Applied Sci Section

AND

REGISTER OF FELLOWS, ASSOCIATES AND STUDENTS,

OF THE

Royal

INSTITUTE OF CHEMISTRY

OF

GREAT BRITAIN AND IRELAND,

(INCORPORATED BY ROYAL CHARTER.)

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1897 - 1898.

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INSTITUTE OF CHEMISTRY

OF

GREAT BRITAIN AND IRELAND.

FOUNDED OCTOBER, 1877.

INCORPORATED BY ROYAL CHARTER OF THE 13th DAY OF JUNE, 1885.

REGULATIONS

FOR

ADMISSION TO MEMBERSHIP, & REGISTER

OF

FELLOWS, ASSOCIATES & STUDENTS.

1897 - 1898.

All Communications should be addressed to

THE SECRETARY OF THE INSTITUTE OF CHEMISTRY,
30, BLOOMSBURY SQUARE, LONDON, W.C.

The Secretary attends at the Office daily between Ten and Four, except on Saturdays, when the hours are from Ten to Two.

BY ORDER OF THE COUNCIL.

J. MILLAR THOMSON, Registrar.
RICHARD B. PILCHER, Secretary.

MAY, 1897.

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INSTITUTE OF CHEMISTRY

OF

GREAT BRITAIN AND IRELAND.

THE Institute of Chemistry was founded in October 1877, and was at first incorporated under the Companies' Acts.

In June, 1885, the Institute was Incorporated by Royal Charter for the following purposes, viz. :—

To promote the better education of persons desirous of qualifying themselves to be public and technical analysts and chemical advisers on scientific subjects.

To examine candidates, and to grant certificates of competency.

To elevate the profession of Consulting and Analytical Chemistry, by setting up a high standard of scientific and practical proficiency and by requiring on the part of its Members the observance of strict rules in regard to professional conduct.

No person is qualified to become an Associate of the Institute until he has attained the age of twenty-one years, and unless he has passed a Preliminary Examination in subjects of general education, and has completed a course of at least three years' study of Theoretical and Analytical Chemistry, Physics, and Elementary Mathematics, and has passed such examinations in the several subjects as are prescribed by the Council. (For full particulars see page 12.)

In order to become eligible for the Fellowship, an Associate is required to have been continuously engaged for a further term of three years in the study and practical work of Applied Chemistry in a manner satisfactory to the Council.

Except in certain special cases provided for by the Charter, no person is eligible for the Fellowship who has not passed through the grade of Associate. Election to the Fellowship without Examination is granted only to such Candidates as can clearly show that they have been trained and occupied in a manner which in the opinion of the Council is equivalent to fulfilling the Regulations for admission to the Membership, and that they have achieved a high scientific position.

The Certificates granted by the Institute are renewed annually, thereby differing from the degrees granted by Universities and other similar bodies, inasmuch as Membership of the Institute is liable to be forfeited in the event of the Member being guilty of unprofessional conduct, or for other reasons mentioned in Clause 16 of the Charter.

The initials "F.I.C.," which every Fellow of the Institute of Chemistry is entitled to use, indicate, therefore, not only a sound scientific training, but practical experience, and general trustworthiness in all that relates to the practice of his profession.

REGULATIONS FOR ADMISSION TO THE MEMBERSHIP OF THE INSTITUTE PRESCRIBED BY THE CHARTER AND BYE-LAWS.

Charter 3. "The Members of the Institute shall be divided into two classes to be styled Fellows and Associates.

Charter 4. "The Council shall require from every person desiring to become an Associate of the Institute, evidence of the following qualifications:—

(1) "That he is not less than twenty-one years of age.

(2) "That he has been educated and trained in such manner as the Council shall from time to time direct.

(3) "That he has passed an Examination approved by the Council in Chemistry, Physics and Elementary Mathematics, conducted by a recognised University, College,

School or Society, and has passed such other Examination or Examinations as shall be prescribed by the Council.

Charter 5. "The Council shall require from every Candidate for the Fellowship in cases where such Candidate has not been admitted as an Associate, evidence of the following qualifications:

(1) "That he is not less than twenty-four years of age.

(2) "That he has passed through a course of three years' training to the satisfaction of the Council in Theoretical and Analytical Chemistry and Physics, and has subsequently been engaged for three years either as assistant to a Chemist of repute, or as a Professor or Demonstrator of Practical Chemistry at some known University, College, or Medical School, or as a Chemist in a Technical Industry, or has after three year's training as above. conducted and published an original research of sufficient merit in the opinion of the Council on some chemical subject necessitating practical work—or that he has been trained and occupied in other ways. which in the opinion of the Council are equivalent to fulfilling the conditions hereinbefore contained.

"In cases where the person applying for admission as a Fellow has previously been admitted as an Associate the Council shall require of every such person proof that he possesses the undermentioned qualifications:—

(1) "That he is not less than twenty-four years of age.

(2) "That he has since his admission as an Associate and for a period of three years therefrom been continuously engaged in the study and practical work of applied Chemistry in a manner that shall be satisfactory to the Council.

"Where Candidates are unable to produce evidence upon the above points satisfactory to the Council an examination shall be imposed.

Charter 6. "The Council shall decide whether any person applying to be admitted as a Fellow or an Associate has or has not fulfilled such of the Conditions in the foregoing provisions of this Our Charter as are applicable in his case."

Bye-law 59. "Subject to the provisions of the Charter, and for the purpose of promoting the objects thereof, the Council shall cause such examinations as they may see fit to be held, and shall prepare and publish Rules to regulate such examinations, and to define the cases and circumstances under which the said examinations shall severally apply, the periods at which they shall be held, the subjects which they shall respectively comprise, the fees, if any, which shall be paid or deposited by Candidates in respect of such examinations, and the nature of the certificate, if any, to be granted to successful Candidates; and the Council shall from time to time vary or rescind any of the said Rules or add thereto, in any such manner as it may from time to time think fit."

Bye-law 54. "Every person, prior to his admission as a Fellow or Associate, shall, in the presence of a witness, make and subscribe his name to the following declaration :—

"I (A B), of
"do solemnly and sincerely declare that while a Fellow (or
"Associate) of THE INSTITUTE OF CHEMISTRY, I will
"observe the Regulations thereof. That I will demean
"myself honourably in the practice of my profession, and to
"the utmost of my power maintain the dignity and welfare
"of the Institute."

Bye-law 55. "Every person, prior to his admission as a Fellow or Associate, shall subscribe his name to a copy of these Bye-laws, with a statement that he has read the same, in testimony of his having engaged himself to the observance thereof, and shall pay the fees prescribed."

Council Regulations.

1.—In pursuance of the provisions of the CHARTER and BYE-LAWS as set forth in the foregoing extracts, the Council has made the following REGULATIONS relating to the QUALIFICATIONS of ASSOCIATES and FELLOWS.

2.—There are three Examinations for admission to the grade of ASSOCIATE, viz. :—

I. A preliminary Examination* in subjects of General Education. (See page 9.)

II. An Intermediate Examination in general Theoretical and Practical Chemistry. (Clause 5, page 14, and pp. 16-18.)

III. A Final Examination in Practical Chemistry of a more special character. (Clause 6 on page 15, and page 18).

3.—STUDENTS.

1. Bye-law 57. All persons desirous of being placed on the Register of Students of the Institute shall be proposed by the Member of the Institute with whom they are studying, and shall be elected by the Council, subject to such regulations as the Council shall from time to time prescribe.

2. Bye-law 58. Students shall be entitled to admission to the Meetings of the Members of the Institute, but shall not be allowed to vote at such Meetings.

3. Students shall receive, gratis, the "Proceedings" of the Institute as they are published.

* Applicants for the Studentship must pass this examination before they can be registered.

REGULATIONS FOR THE ADMISSION OF STUDENTS.

4.—Every Candidate for the Studentship is required to produce evidence :—

1. That he is not less than 17 years of age.

2. That he has passed an approved preliminary examination.

3. That he is, at the time of application, a pupil of a Member of the Institute, or at one of the Universities or chartered or incorporated Colleges or Schools approved by the Council, and is *bonâ fide* in course of preparation and training with the object of becoming engaged in the profession of Analytical and Consulting Chemistry as defined by the Charter.

4. That he has paid his first Annual Registration Fee of Five Shillings.*

5. The Annual Registration Fee is due on the first day of January in each year. Any Student who shall omit to pay his Annual Registration Fee, when due, shall, on a Resolution to that effect being passed by the Council, have his name removed from the Register.

6. All Students of the Institute are required to present themselves for Examination within the term of five years from the date of their admission, or their names will be removed from the Register, unless they can give reasons satisfactory to the Council for an extension of the time being granted.

7. Students registered before 1st October, 1893, will be admitted to the Associateship (not the Fellowship), and Associates on the Register at the same time will be admitted to the Fellowship, under the Regulations which were in force on their admission.

*Bye-law 67. Students shall pay such Annual Subscription, not exceeding One Guinea, as the Council may from time to time prescribe.

5.—PRELIMINARY EXAMINATION IN SUBJECTS OF GENERAL EDUCATION.

The Preliminary Examination must in all cases be passed in the following subjects, and each Candidate for the Studentship is required to produce evidence to this effect :—

(*a*) English Language.

(*b*) Latin.

(*c*) Mathematics, comprising Arithmetic; Algebra (to simple equations inclusive); Geometry (Euclid, Books I., II., III.)

(*d*) One of the following :—French, German, Greek, Italian, any other Modern Language, or Logic.

The Council will accept as an approved Preliminary Examination any examination mentioned below, provided the Certificate produced by the Candidate includes all the requisite subjects which he must have passed at the same time.

UNIVERSITIES IN THE UNITED KINGDOM.

University of Aberdeen.—Junior or Senior Local Examination. Preliminary Examinations for Graduates in Arts, Science, or Medicine and Surgery.

University of Cambridge.—Junior, Senior, or Higher Local Examinations. Previous Examination. General Examination.

University of Dublin.—Public Entrance Examination. Examination for the First, Second, Third or Fourth Year in Arts.

University of Durham.—Examination for a Certificate of Proficiency. Preliminary Examinations in Arts for Graduation in Medicine and Science.

University of Edinburgh.—Junior or Senior Local Examinations. Preliminary Examinations for Graduation in Arts, Science, or Medicine and Surgery.

University of Glasgow.—Preliminary Examinations for Graduation in Arts, Science, or Medicine and Surgery.

University of London.—Matriculation Examination.

University of Oxford.—Junior or Senior Local Examinations. Responsions. Moderations.

Oxford and Cambridge Schools Examinations Board.—Lower or Higher Certificate.

University of St. Andrews.—Preliminary Examinations for Graduation in Arts, Science, or Medicine and Surgery. Final Examination for the Diploma of L.L.A.

Victoria University.—Preliminary Examination. Entrance Examination in Arts.

Royal University of Ireland.—Matriculation Examination.

University of Wales.—Matriculation Examination.

Educational Bodies other than Universities.

College of Preceptors.—Examination required to be passed by Medical Students prior to Registration.

Educational Institute of Scotland.—Preliminary Medical Examination.

Glasgow and West of Scotland Technical College.—Preliminary Examination for Diploma Students.

Intermediate Educational Board of Ireland.—Junior, Middle Grade, or Higher Grade Examinations.

Scotch Educational Department. — Examinations for Lower or Higher (Honours) Grade Leaving Certificates.

Indian, Colonial and Foreign Universities and Colleges.

No Certificate from the Bodies mentioned below will be accepted unless it shows:—That the Examination has been conducted by or under the authority of the body granting it; that it includes all the subjects required by the Council; and, states that all the subjects of Examination have been passed at one time.

Continental Bodies.

The German Abiturienten-Examen of the Gymnasia and Real-gymnasia; Examinations entitling to the French Diplomas of Bachelier es Lettres and Bachelier es Sciences, and other corresponding Entrance Examinations to the Universities.

India and Ceylon.

Allahabad University.—Entrance Examination.

Bombay University.—Matriculation Examination.

Calcutta University.—Entrance Examination.

Ceylon Medical College.—Preliminary Examination.

Madras University.—Matriculation Examination. First Examination in Arts.

Punjab University.—Entrance Examination.

(In the case of natives of India or other Oriental Countries an Examination in a Classic Oriental Language may be accepted instead of an Examination in Latin.)

Cape Colony.

Cape of Good Hope University.—Matriculation Examination.

Egypt.

The Secondary Education Certificate of the Egyptian Government.

Canada.

Kingston: Queen's University.—Departmental Arts Matriculation Examination.

Manitoba University.—Preliminary and Previous Examinations.

Montreal: University of Bishop's College.—Matriculation Examination.

University of McGill College.—Matriculation Examination.

Newfoundland Medical Board.—Preliminary or Matriculation Examination.

New Brunswick: University of Mount Allison College.—Matriculation Examination.

College of Physicians and Surgeons. — Matriculation Examination.

Nova Scotia: Dalhousie College and University, Halifax.—Matriculation Examination.

University of King's College, Windsor. — Matriculation Examination.

Provincial Medical Board.—Preliminary Examination.

Ontario University.—Departmental Arts Matriculation Examination.

College of Physicians and Surgeons.—Departmental Arts Matriculation Examination.

Quebec: College of Physicians and Surgeons of the Province.—Matriculation Examination.

Toronto University.—Departmental Arts Matriculation Examination.

Trinity Medical College.—Departmental Arts Matriculation Examination.

Trinity University.—Departmental Arts Matriculation Examination.

Victoria University.—Departmental Arts Matriculation Examination.

West Indies.

Barbados (Codrington College).—Examinations qualifying for a Degree in Arts at the University of Durham.

Australasia.

Adelaide University.—Senior Public Examination.

Melbourne University.—Matriculation Examination.

Sydney University.—Matriculation Examination. First year Examination in Arts. Senior Public Examination. Entrance Examination for Medicine and Science.

Tasmania University.—Senior Public Examination.

New Zealand.

New Zealand University.—Preliminary Examination for Medical Students.

Otago University.—Preliminary Examination for Medical Students.

For all information as to the Regulations of the various Examining bodies, for the dates on which these Examinations are held, and for previous Examination Papers (if any) issued or published by them, application should be made to the respective bodies.

6.—QUALIFICATIONS OF ASSOCIATES.

Every Candidate for the Associateship is required to produce evidence—

1. That he is not less than twenty-one years of age* [see extract, page 4]. A certificate of birth or baptism as evidence of age is required.

2. That he has passed an approved Preliminary Examination (see page 9) before presenting himself for the Examinations conducted by the Institute. He shall also produce a satisfactory certificate of moral character.

3. That he has passed satisfactorily through a systematic course of at least three years' study in the subjects of Theoretical and Practical Chemistry, Physics [see (*c*) below] and Elementary Mathematics [see (*d*) below] in any one or more of the Universities, or chartered or incorporated Colleges or Schools approved by the Council. Or, that during at least two years he has been entered as a Student of the Institute, and during the whole of this period has regularly attended systematic courses‖ of instruction in the said subjects at such University, College, or School, and that he has also been engaged for two other years in the Laboratory of a Fellow of the Institute.

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* Provided the Regulations have been complied with, Candidates under 21 years of age may enter for Examination, but cannot be *elected* to the Associateship before attaining that age.

‖ Students Registered under Members of the Institute will be considered to have satisfied the requirements of the Council with regard to College training upon producing evidence of having attended the following courses of instruction :—

(*a*) The ordinary systematic courses of Lectures given by the Professor in the selected College on "Theoretical Chemistry" (including Inorganic and Organic) during two years.

(*b*) For "Practical Chemistry," Laboratory Work, during two Academic years, three days in each week, and at least five hours each day.

(*c*) For "Physics." Attendance on at least 50 Lectures on Physics, and work in the Physical Laboratory of at least 100 hours during the two years.

(*d*) For "Elementary Mathematics," Euclid, Books I., II. and III. Algebra to Quadratic Equations; Ratio and Proportion. Plane Trigonometry to solutions of triangles; heights and distances; area of a triangle; use of logarithms.

He shall also give evidence satisfactory to the Council of having attended a course of instruction in one subject selected by himself from the following list, viz.:—

(*a*) MATHEMATICS:—Trigonometry, Differential and Integral Calculus.

(*b*) ELEMENTARY MECHANICS, STEAM, AND GENERAL CHEMICAL ENGINEERING:—Properties of Constructive Materials:—Timber, Iron, Steel, Masonry. Principles of Construction of Boilers, Steam Engines, Gas Engines, Water-Wheels, and Turbines, Pumping Engines and Pumps. Dynamo Machines, and Secondary Batteries. Furnaces. (40 to 50 Lectures, or an equivalent amount of instruction.)

(*c*) METALLURGY:—Furnace Materials and Construction: Fuel (solid, liquid and gaseous), Mechanical Stokers, Pyrometers, Calorimetry. Manufacture and Properties of Iron and Steel, Manufacture of any two other Metals, and their properties. Assay of the metals chosen to be learnt practically. (40 to 50 Lectures, or an equivalent amount of instruction).

(*d*) GEOLOGY AND MINERALOGY:—About 40 to 50 Lectures or an equivalent amount of other instruction, with sufficient field or laboratory work once a week for a year, on general Physical and Stratigraphical Geology, Mineralogy, Petrography, and Economic Geology, with special reference to coal-fields, ore deposits, water supply, and drainage.

(*e*) ELEMENTARY PHYSIOLOGY:—General Biology of Plants and Animals, illustrated by reference to the Structure and Life History of selected types. Histology of Simple Tissues. Composition of Human Food and its Digestion. Circulation of the Blood. Respiration, Secretion and Excretion, Animal Heat, the Functions of the Nervous System. (40 to 50 Lectures or an equivalent amount of instruction, with Practical work on the qualitative and quantitative Examination of blood, urine, bile, and milk.)

* (*f*) THERAPEUTICS, PHARMACOLOGY, AND MICROSCOPY.—The extent of the course should cover the following work:—The recognition of specimens of any drug or poisonous chemical ordinarily to be found in commerce or employed for technical purposes in the Arts or Manufactures; the detection by microscopical or chemical examination of adulterations, substitutions, or impurities in food and drugs. Such a course would also include a general knowledge of the therapeutic effects of ordinary drugs, and of the quantities of such drugs and poisonous chemicals which taken internally would be injurious or fatal to man.

4. That he has passed the Examinations conducted at such University, College, or School in connection with the prescribed courses of instruction in Chemistry, Physics, and Elementary

* Students training with the object of becoming Candidates for Appointments as Public Analysts should take (*f*) as their extra subject. See also pp. 18 and 35.

Mathematics, and the selected subject referred to in the preceding paragraph.

Theoretical and Practical Chemistry are to be regarded as principal subjects, while the others are subsidiary, and should occupy a relatively small proportion, as a rule not more than one-fourth, of the student's time.

The intention of the Council being that Candidates for the Associateship shall have devoted at least three years to continuous *systematic study*, no course of lectures or other form of instruction in the requisite subjects shall be recognised as part of the curriculum prescribed for Candidates for the Associateship, unless given in the day-time by the Professor of the subject, in one of the recognised Institutions, or in the case of Laboratory work, by duly appointed Assistants, acting under the supervision of the Professor; and unless at the same time sufficient evidence is afforded by the Candidate, that during the period of attendance upon such instruction the whole of his time has been occupied in study or in Laboratory practice, either in a recognised College, or in the case of Students who are pupils of Members of the Institute, partly in a recognised College and partly in the Laboratory of such Member.

[Candidates for the Associateship who have complied with the conditions of Clauses 2, 3 and 4 of this Section, and Candidates who have obtained the B.Sc. pass Degree (involving Chemistry, Physics and Mathematics) in a recognised University, are eligible for admission to the Intermediate Examination.]

5. That he has passed the Intermediate Examination (p. 16), conducted by the Examiners of the Institute, in General Theoretical Chemistry and Practical Chemistry. The Examination Fee of £3 3s.* shall be paid before the Candidate is admitted to this Examination.

See also p. 21.

Candidates for the Associateship who have passed any of the following Examinations, shall not be required to pass the Intermediate Examination in Chemistry held by the Examiners of the Institute, but upon making application for admission to the Final Examination they shall pay the sum of £3 3s. in addition to the fee payable at the final examination :—

The Final Honours Examination for the degree of B.A. at the University of Oxford in the subject of Chemistry in the School of Natural Science.

The Examination for the degree of B.A. at the University of Cambridge in the subject of Chemistry, and in Part II. of the Natural Sciences Tripos.

The Final or Degree Examination for B.Sc., with Honours in Chemistry, in either of the following Universities: Aberdeen, Dublin, Durham, Edinburgh, Glasgow, London, St. Andrew's, and the Victoria University.

The Final or Degree Examination for B.Sc. (involving Chemistry) in the Royal University of Ireland.

The Senior Moderatorship in Experimental Science in the University of Dublin.

The Associateship of the City and Guilds of London Central Institute in the Department of Chemistry.

The Associateship of the Royal School of Mines if taken before 1884.

The Associateship of the Royal College of Science in the division of Chemistry.

The Associateship of the Royal College of Science, Dublin, in the Faculty of Manufactures, together with a Certificate from the Professor of Chemistry in the R.C.Sc., Dublin, or in some other University or College recognised by the Institute, that the Candidate has spent an additional period of six months exclusively in the Chemical Laboratory of such College.

[Candidates who have passed the Intermediate Examination of the Institute or any of the Examinations mentioned in the above list are eligible for admission to the Final Examination.]

6. That he has passed the Final Examination (p. 18) conducted by the Examiners appointed by the Institute. Candidates shall be required to show a thorough acquaintance with at least one branch of Analytical Chemistry. The Examination Fee of £4 4s.* shall be paid before admission to this Examination.

* See also p. 21.

7.—REGULATIONS FOR THE INTERMEDIATE EXAMINATION FOR THE ASSOCIATESHIP.

The attention of Candidates is directed to the following regulations :—

(*a.*) Every Candidate shall forward to the Registrar, one calendar month at least before the commencement of the examination, together with the examination fee, a note-book or note-books containing a record of the chemical work of all kinds done by him during the last two years of his studentship, the genuineness of the record to be attested by himself and his professors or teachers, according to the following form, printed copies of which may be obtained on application to the Registrar.

Declaration of the Examinee, to be certified by the Professor or Teacher under whom he has worked.

I. "I hereby declare that the whole of the work of which a record is contained in the accompanying note-book, and which includes exercises in

* *a.* Qualitative inorganic analysis.	* *e.* Gas analysis.
* *b.* Quantitative inorganic analysis	* *f.* Preparation of pure materials.
* c. Qualitative organic analysis.	* *g.* Other experimental work.
* *d.* Quantitative organic analysis.	

was done by me in the years 18 to 18 .

Signed....."

II. "I hereby certify that the work of which a record is contained in the accompanying note-book, was performed by A . . . . . B . . . . . under supervision, and was examined at intervals as indicated by signatures in the book.

Signed....."

* NOTE.—Cross out subjects not included in the book.

(*b.*) The note books will be submitted to the Examiners, who will take their contents into consideration. The Examiners will have the power to submit any Candidate to a *viva voce* examination upon the contents of his note books.

(A.) Examination in General Theoretical Chemistry ; at least two papers will be set, including questions in both inorganic and organic Chemistry.

Candidates will be required to show an acquaintance with the fundamental laws of Chemistry ; with the methods of preparation of the more important elements and compounds, both inorganic and organic ; with the principles of Chemical Classification ; and the current theories of Chemical constitution.

(B.) Examination in Practical Chemistry:—This Examination will be partly qualitative, partly quantitative, and will occupy about four days.

Syllabus of Subjects.

A.—Qualitative.

1. Exercises in qualitative analysis : such as the analysis of artificial mixtures of moderate complexity, of alloys, of ores, and the detection of specified substances present in minute quantities, or as impurities in commercial products.

2. Preparation of substances so chosen as to elicit evidence of the Candidate's acquaintance with ordinary chemical operations, such as crystallisation, dissolution, distillation, &c. Determination of boiling point, melting point, relative density, or solubility of substances so prepared.

3. The recognition, by practical tests, of familiar typical inorganic and organic compounds.

4. The examination of gases, and detection of one or more of the following in a gaseous mixture: hydrogen, oxygen, nitrogen, carbon monoxide, carbon dioxide, hydrogen chloride, hydrogen sulphide, ammonia, sulphur dioxide, nitric oxide, methane, and ethylene.

B.—Quantitative.

1. The gravimetric and volumetric estimation of commonly occurring substances.

2. The determination of carbon and hydrogen, nitrogen, sulphur or halogens in organic compounds.

3. The volumetric determination of one or more of the constituents in a mixture which may contain hydrogen, oxygen, carbon monoxide, carbon dioxide, methane, ethylene, and nitrogen.

4. The examination in quantitative analysis may include the performance of some operation selected from the Candidate's own record.

In doing combustions, the Candidates will be required to prepare their own combustion tubes and drying tubes.

8.—The Examiners will be at liberty to put questions to Candidates at any time during the examination.

9.—Candidates will be at liberty to consult any books of reference they may bring with them, and may obtain access to the books in the Reference Library of the Institute during the Examinations.

10.—If a Candidate withdraws his name, or fails to present himself at the Examination, or fails to pass it, the Fee shall not be returned to him, but he shall be allowed to enter for *one* subsequent Intermediate Examination upon payment of an additional Fee of £2 2s. Candidates who have failed more than once are required to pay the full fee, £3 3s.

11.—REGULATIONS FOR THE FINAL EXAMINATION IN PRACTICAL CHEMISTRY FOR THE ASSOCIATESHIP.

1. Each Candidate shall be required to show a thorough acquaintance with at least one branch of Analytical Chemistry, to be selected by himself from the following list :—

(*a*) Mineral Analysis; General Inorganic Qualitative and Quantitative.

(*b*) Analysis and Assay of Metals, especially Alloys.

(*c*) Gas Analysis, including the calibration of measuring vessels and complete analysis of mixed gases.

(*d*) Organic Analysis, including Combustions: the estimation of the proximate constituents of organic mixtures.

* (*e*) Analysis of Water, Food, and Drugs, including the Assay of Alkaloids and recognition of impurities, adulterations and substitutions

2. Any Candidate shall be at liberty to present a thesis or dissertation upon any Chemical subject to which he has paid special attention, and the thesis, if approved by the Examiners, may be taken as part of the Examination. The Examiners, however, shall be at liberty to apply any test which they think desirable either *vivâ voce*, or by writing, or by experimental work, in order to obtain evidence as to the practical knowledge of Chemistry possessed by the Candidate.

All Candidates must be familiar with the use of such scientific instruments as are commonly found in Chemical Laboratories.

3. This Examination shall occupy at least three days. The Examination Fee of £4 4s. shall be paid before admission to this Examination. If a Candidate withdraws his name, or fails to present himself at the Examination, or fails to pass it, the Fee shall not be returned to him, but he shall be allowed to enter for *one* subsequent Final Examination upon payment of an additional Fee of £2 2s. Candidates who have failed more than once are required to pay the full fee, £4 4s.

12.—QUALIFICATIONS OF FELLOWS.

1. The Charter (clause 5, page 5) provides that under certain circumstances an examination shall be imposed. It rests with the Council to determine in each case whether the Candidate shall be required to pass either or both the Intermediate or Final Examinations. The entrance fee to the Fellowship is Four Guineas (£4 4s.) but in those cases in which an examination is imposed, the usual examination fees shall be paid in addition.

* Candidates desirous of becoming qualified as Public Analysts should take Section (*e*) in the Final Examination. See also pp. 13 and 35.

2. In those cases in which the Candidate has not received systematic instruction in Physics, the Council may require him to produce evidence of sufficient knowledge in the subjects of Light, Heat, Magnetism, and Electricity, by graduation in science in a University, or by passing an examination of equivalent standard conducted by the Institute or by some other public body.

3. A Candidate for the Fellowship, unless previously registered as an Associate, shall produce a certificate of birth or baptism as evidence of age; he shall also produce a satisfactory certificate of moral character.

4. Election to Fellowship *without examination* is granted only to such Candidates as can produce evidence satisfactory to the Council that they have achieved a high scientific position.

13.—ADMISSION OF ASSOCIATES TO THE FELLOWSHIP.

1. In cases where the person applying for admission as a Fellow has previously been admitted as an Associate, the Council require of every such person proof that he has fulfilled the conditions laid down in clause 5, of the Charter (see p. 5).

2. Applications for Transfer shall be made to the Council and shall be accompanied by a letter signed by some responsible person, preferably a Fellow of the Institute, testifying that the Candidate has been engaged *bonâ fide* in the study and practical applications of Chemistry, the nature of which must be specified. Candidates must not be less than 24 years of age.

3. The Entrance Fee (vide Charter, p. 12 and Bye-law* 68) payable on election is Four Guineas. No name can be transferred from the Associates' to the Fellows' List until this fee has been paid.

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* Bye-law 68. Entrance fees not exceeding Five Guineas shall be paid by every person elected a Fellow of the Institute in addition to the Annual Subscription, the amount of such Entrance Fees to be determined by the Council from time to time.

14.—FEES.

1. Bye-law 69. Upon the admission of any person as Fellow or Associate of the Institute, he shall obtain from the Council a Certificate of Fellowship or of Associateship. And every Member of the Institute shall once in every year, whilst he continues a Member of the Institute, renew such Certificate, but on payment only of his Annual Subscription, if any such Subscription be payable.

2. Bye-law 70. If any Fellow or Associate shall allow his Annual Subscription to be in arrear for one year, he shall be liable to be excluded from the Membership or to be suspended in the manner provided by Clause 16 of the Charter.

3. In accordance with the above and other Bye-Laws already mentioned, the List of Fees is as follows :—

	£	s.	d.
Students' Registration Fee (Annual) - - -	0	5	0
*Intermediate Examination for Associateship -	3	3	0
†Final Examination for Associateship - - -	4	4	0
Entrance Fee to the Fellowship - - -	4	4	0
Annual Subscription for Members - - -	1	1	0
Life Composition, in lieu of the Annual Subscription (open only to persons who attain the Fellowship) - - - - -	16	16	0

4. No name is entered on the Register until the first Annual Subscription, and in the case of Fellows, the Entrance Fee in addition has been paid.

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*†The Fee for the Intermediate Examination for Students registered prior to July 1st, 1897, and Candidates whose applications for Examination are accepted prior to that date, is £2 2*s.*; and the Fee for the Final Examination for such Candidates is £3 3*s.*

15.—FORM OF APPLICATION
FOR ADMISSION TO THE STUDENTSHIP OF THE INSTITUTE OF CHEMISTRY.

Christian and Surnames in full. Address. Date of Birth.

I.....
of.....
born on the.....day of.....18 , hereby make application to be admitted to the Studentship of the Institute of Chemistry.

State Colleges or schools and years spent at each.

I received my general education at.....
.....
.....
.....

Examination passed to be inserted.

and have passed the following examination* :—

.....Signature of Candidate.

Dated this.....day of.....18.....

I..... .....of.....
Member of the Institute of Chemistry, hereby recommend.....
.....from personal knowledge as worthy of the privilege of admission to the Studentship of the Institute, and as coming within the Rules appertaining to that class, viz. :—That he is upwards of seventeen years of age, and is *bonâ fide* in course of preparation and training under me, with the object of becoming engaged in the profession of Analytical and Consulting Chemistry as defined by the Charter of the Institute.

.....Signature of Proposer

Dated this.....day of.....18.....

To be filled in by the Council.

The Council having considered the above recommendation, admit.....as a STUDENT OF THE INSTITUTE OF CHEMISTRY.

Recommended by the Committee.....18 .

Passed by the Council.....18

Signed.....Registrar.

See list of recognised Preliminary Examinations p. 9

16.—FORM OF APPLICATION

FOR ADMISSION TO THE ASSOCIATESHIP FOR THE USE OF STUDENTS WORKING IN THE LABORATORIES OF MEMBERS OF THE INSTITUTE.

Christian and Surname in full

I.....

Address.

of.....

Student of the Institute of Chemistry, hereby make application

State whether 'Intermediate' or 'Final.'

to be admitted to the.....Examination for the Associateship of the Institute, and send in note-books of work done in the Chemical Laboratory during the last two years of my training, together with a declaration signed by my Professor, and a Certificate of Moral Character as required by the Regulations. My practical experience has been as follows:—

The nature of the experience and any other suitable information should be stated here.

.....

.....

.....

.....

.....Signature of Candidate.

Age.....

Dated this.....day of.....18.....

Christian and Surname in full

I.....

Address.

of.....

Official position or occupation.

.....

Member of the Institute of Chemistry, hereby recommend

.....

from personal knowledge, as worthy of the privilege of admission to the Associateship of the Institute, and testify that he has worked as a Student of the Institute for four years from.....

The opinion formed of the Candidate's work and any other suitable information should be stated here

.....18.....to.....18.....

.....

.....

.....

and that he has complied with the Regulations.

Signed.....

Member of the Institute of Chemistry.

To be filled in by the Professors of the University, or Chartered or Incorporated College or School, approved by the Council, at which the Applicant for admission studied.

Name of College.....

This is to certify that Mr..... has regularly attended the Classes in Inorganic and Organic CHEMISTRY, and worked in the Chemical Laboratory at this College, during the.....Sessions 18 -18 , and that he has passed the Class Examinations*.....

Signed.....

Professor of Chemistry.

This is to certify that Mr..... has regularly attended the Classes in PHYSICS, and worked in the Physical Laboratory at this College, during the..... Sessions 18 -18 , and that he has passed the Class Examinations*..... .....

Signed..... .....

Professor of Physics.

This is to certify that Mr..... has regularly attended the Classes in MATHEMATICS at this College, during the.....Sessions 18 -18 , and that he has passed the Class Examinations*.....

Signed.....

Professor of Mathematics.

This is to certify that Mr..... ..... has regularly attended the Lectures and Classes in ¶.....

* Insert "satisfactorily," "creditably," or "very satisfactorily."

¶ In this section may be inserted the course on the subject which the student has selected from the list given in Clause 3 (p. 13) of the Regulations: 1. Mathematics. 2. Elementary Mechanics, Steam and General Chemical Engineering. 3. Metallurgy 4. Geology and Mineralogy. 5. Elementary Physiology. 6. Therapeutics, Pharmacology and Microscopy.

.....at this College, during the..... .....Sessions 18 - 18 , and that he has passed the Class Examinations*.....

Signed.....

Professor of.....

The Council having considered the above recommendation, admit..... ..... to the.....Examination for the Associateship of the Institute of Chemistry.

To be filled up by the Council.

Recommended by the Committee.....18.....

Passed by the Council..... .....18.....

Signed.....

Registrar.

17.—FORM OF APPLICATION

FOR ADMISSION TO THE ASSOCIATESHIP FOR THE USE OF STUDENTS OF THE INSTITUTE AT A UNIVERSITY, OR CHARTERED OR INCORPORATED COLLEGE OR SCHOOL APPROVED BY THE COUNCIL.

Christian and Surnames in full. Address.

I,..... of.....

Student of the Institute of Chemistry, hereby make application to be admitted to the.....Examination for the Associateship of the Institute, and send in note books of work done in the Chemical Laboratory during the last two years of my training, together with a declaration signed by my Professor, and a Certificate of Moral Character as required by the Regulations.

State whether 'Intermediate' or 'Final.'

---

* Insert "satisfactorily," "creditably," or "very satisfactorily."

My practical experience has been as follows:—

The nature of the experience and any other suitable information should be stated here.

.....

.....

.....

.....

.....Signature of Candidate.

Age.....

Dated this.....day of.....18....

Christian and Surname in full

Address.

Official position or occupation.

I,.....

of .....

.....

Member of the Institute of Chemistry, hereby recommend

.....

from personal knowledge as worthy of the privilege of admission to the Associateship of the Institute, and testify that he has worked at.....as a Student of the Institute for three years from.....18.....to .....18.....

Insert name of University or Chartered or Incorporated College.

The opinion formed of the Candidate's work, and any other suitable information should be stated here.

.....

.....

.....

and that he has complied with the Regulations.

Signed.....

Member of the Institute of Chemistry.

To be filled in by the Professors of the University or Chartered or Incorporated College or School, approved by the Council, at which the Applicant for admission studied.

Name of College.....

This is to certify that Mr.....

has regularly attended the Classes in Inorganic and Organic CHEMISTRY, and worked in the Chemical Laboratory at this

College during the.....Sessions 18 -18 , and that he has passed the Class Examinations*.....

Signed.....
Professor of Chemistry.

This is to certify that Mr.....has regularly attended the Classes in PHYSICS, and worked in the Physical Laboratory at this College, during the..... Sessions 18 -18 , and that he has passed the Class Examinations*..... .....

Signed.....
Professor of Physics.

This is to certify that Mr..... .....has regularly attended the Classes in MATHEMATICS at this College, during the.....Sessions 18 -18 , and that he has passed the Class Examinations*..... .....

Signed.....
Professor of Mathematics.

This is to certify that Mr.....has regularly attended the Lectures and Classes in ¶... ..... at this College during the.....Sessions 18 -18 and that he has passed the Class Examinations*.....

Signed.....
Professor of.....

To be filled in by the Council.

The Council, having considered the above recommendation, admit.....to the.....Examination for the Associateship of the Institute of Chemistry.

Recommended by the Committee.....18.....

Passed by the Council.....18.....

Signed.....
Registrar.

* Insert "satisfactorily," "creditably," or "very satisfactorily."

¶ In this section may be inserted the course on the subject which the student has selected from the list given in Clause 3 (p. 13) of Regulations: 1. Mathematics. 2. Elementary Mechanics, Steam and General Chemical Engineering. 3. Metallurgy. 4. Geology and Mineralogy. 5. Elementary Physiology. 6. Therapeutics, Pharmacology and Microscopy.

18.—FORM OF APPLICATION

For Candidates for Admission to the Membership of the Institute of Chemistry.

Christian and Surnames in full.

Address.

Date of Birth.

State whether Intermediate or Final. Insert "Associateship" or "Fellowship."

I,.....
of.....
born on the .....day of.....18 , hereby make application to be admitted to the.....Examination for the .....of the Institute of Chemistry, and send in note-books of work done in the Chemical Laboratory during the last two years of my training, together with a declaration by my Professor, and certificates of age and moral character, as required by the Regulations.

Candidates should here insert names of Fellows of the Institute or persons of official standing to whom personally known.

2. My references are.....
.....
.....

State Colleges or Schools and years spent at each.

3. I received my general education at.....
.....from.....to.....
.....from.....to.....
.....from.....to.....
and have passed the following Examination...as required by the Regulations (Clause 2).....
.....

Examination passed to be inserted.

Insert duration of course. Name of College.

4. I have passed through a.....years' course of systematic study at.....
as required by the Charter and as attested by the following certificates.

This is to certify that Mr. .....
has regularly attended the Classes in Inorganic and Organic Chemistry, and worked in the Chemical Laboratory at this

College during the.....Sessions 18 -18 , and that he has passed the Class Examinations*.....

Signed.....
Professor of Chemistry.

This is to certify that Mr. ..... has regularly attended the Classes in PHYSICS, and worked in the Physical Laboratory at this College during the..... Sessions 18 -18 , and that he has passed the Class Examinations*.....

Signed.....
Professor of Physics.

This is to certify that Mr. ..... has regularly attended the Classes in MATHEMATICS at this College during the.....sessions 18 -18 , and that he has passed the Class Examinations*.....

Signed.....
Professor of Mathematics.

This is to certify that Mr. ..... has regularly attended the Lectures and Classes in¶..... at this College, during the.....Sessions 18 -18 , and that he has passed the Class Examinations*.....

Signed.....
Professor of .....

State nature of appointment or occupation, and time spent in practice of Chemistry, and any other suitable information.

5. I have been engaged in the profession and practice of Chemistry as..... .....

Signature of Applicant.....

Dated this.....day of.....189 .

* Insert "satisfactorily," "creditably," or "very creditably."

¶ In this section may be inserted the course on the subject which the student has selected from the list given in Clause 3 (p. 13) of the Regulations:—1. Mathematics. 2. Elementary Mechanics, Steam and General Chemical Engineering. 3. Metallurgy. 4. Geology and Mineralogy. 5. Elementary Physiology. 6. Therapeutics, Pharmacology and Microscopy.

To be filled in by the Council.

The Council having considered the above application hereby admit..... to the..... Examination for the.....of the Institute of Chemistry.

Recommended by Committee.. .....18 .

Passed by Council.....18 .

Signed.....Registrar.

19.—FORM OF APPLICATION

FOR ADMISSION TO THE FELLOWSHIP FOR THE USE OF ASSOCIATES OF THE INSTITUTE OF CHEMISTRY.

Christian and Surname in full I.....

Address. of .....

Associate, hereby make application to be admitted to the Fellowship of the Institute of Chemistry.† For three years continuously, 18..... to 18....., since the date of my admission as an Associate (Charter 5) I have been engaged *bonâ fide* in the study and practical applications of Chemistry as follows :—

The nature of the work and any other suitable information should be stated here. .....

.....

.....

.....

*Age..... .....

Signature of Candidate.

Dated the.....day of.....18.....

Christian and Surname in full I,.....

Address. of.....

Official position or occupation. .....

† Applications for transfer shall be made to the Council and shall be accompanied by a letter signed by some responsible person, preferably a Fellow of the Institute, testifying that the Candidate has been engaged *bonâ fide* in the study and practical applications of Chemistry, the nature of which must be specified.

* Candidates must not be less than 24 years of age.

hereby recommend..... .....

from personal knowledge as worthy of the privileges of admission to the Fellowship of the Institute.

The opinion formed of the Candidate's work and any other suitable information should be stated here.

.....

.....

.....

Signed.....

Christian and Surname in full Address.

I.....

of.....

Official position or occupation.

.....

hereby recommend.....

from personal knowledge as worthy of the privileges of admission to the Fellowship of the Institute.

The opinion formed of the Candidate's work and any other suitable information should be stated here.

.....

.....

.....

Signed.....

Christian and Surname in full Address.

I.....

of.....

Official position or occupation.

.....

hereby recommend..... .....

from personal knowledge as worthy of the privileges of admission to the Fellowship of the Institute.

The opinion formed of the Candidate's work and any other suitable information should be stated here.

.....

.....

.....

Signed.....

The Council, having considered the above recommendation, elect.....

To be filled up by the Council.

as a Fellow of the INSTITUTE OF CHEMISTRY.

Recommended by the Committee.....18...

Passed by the Council.....18...

Signed.....

Registrar.

20.—FORM OF APPLICATION

For Candidates for Admission to the Fellowship of The Institute of Chemistry.

Christian and Surname in full Address.

I,.....

of .....

Date of Birth.

born on the.....day of....., 18....., hereby make application to be admitted to the Fellowship of the Institute of Chemistry.

Two references at least to Fellows of the Institute, or persons of Official standing to whom the Candidate is personally known.

I enclose Certificates of Age and Moral Character as required by the Regulations and can mention the following gentlemen as my references .....

.....

.....

Here state Schools or Colleges and years spent at each.

I received my general education at.....

from.....to.....

and my training in Chemistry and practical experience have been as follows.....

References to any published work by the Candidate or other suitable information should be given here.

.....

.....

.....

.....

Signature of Candidate.....

Dated this.....day of.....18.....

To be filled in by the Council.

The Council having considered the above application, elect .....to the Fellowship of the Institute of Chemistry.

Recommended by Committee.....18 .

Passed by Council.....18 .

Signed.....Registrar

21.—GENERAL INSTRUCTIONS TO CANDIDATES FOR EXAMINATION.

An Examination will be held in July each year, and in the event of at least 40 Candidates presenting themselves, an extra Examination will be held in the same month. No Examination wil be held in January unless there are at least 12 Candidates.

1. All application forms can be obtained from the Registrar.

2. All applications must be forwarded to the Office of the Institute *not less than two months* previous to the first day of the Examination, and must be accompanied by the necessary enclosures mentioned in these Regulations (see p. 12 and notes to application forms).

3. In course of the week following the Council Meeting held after the consideration of the applications, each Candidate's certificates and testimonials will be returned.

4. No Candidate's name will be placed on the list of Candidates for an Examination unless the note-books and declarations, and fee shall have been received at the Office of the Institute on or before the date fixed for the closing of the list, of which due notice will be given to all Candidates whose applications have been accepted by the Council.

5. The dates of the Examinations will be published in the principal daily papers and scientific journals.

6. Candidates who have previously entered for Examination need not produce their certificates of age a second time.

7. Note-books will be provided for the record of the work done at the Examinations. Candidates are required to write their names and addresses, in full, on the inside, and their names only on the outside of the cover. Each Candidate must make a short

summary of his work at the end of his note-book. All calculations must be made by the Candidate in the Examination Laboratory and entered in his note-book during Examination hours with an account of the work. Candidates are not permitted to take away their note-books from the Examination Laboratories, and must deliver them to the Examiners whenever requested.

8. Any other instructions for the Examinations will be given by the Examiners or stated on the Examination papers.

22.—The list of successful Candidates will be sent, as soon as copies are available, to every University, College or School from which any Candidate, (whether successful or not), has immediately proceeded to the Examination, and to every successful Candidate. It will also be widely circulated among the leading newspapers of the United Kingdom.

23.—Unsuccessful Candidates will be informed of the subjects in which they have failed, as soon as possible after the publication of the Pass List.

24.—Successful Candidates will be proposed for election at the Council Meeting to which the Report of the Examiners is submitted.

RECOMMENDATIONS FOR CANDIDATES DESIROUS OF BECOMING QUALIFIED FOR PUBLIC ANALYST APPOINTMENTS.

The Council has made special recommendations for Candidates desirous of becoming qualified for Public Analyst Appointments. For such appointments the qualifications of the Institute of Chemistry are accepted as satisfactory in so far as Chemistry is concerned, and in order to meet the further requirements of the Local Government Board in regard to Therapeutics, Pharmacology and Microscopy, a special course of study in these subjects is recommended (p. 13).* Such Candidates should enter for the Final Examination (p. 18) in Branch "E," viz.: The Analysis of Water, Food and Drugs, including the Assay of Alkaloids and detection of impurities, adulterations and substitutions.

*Fellows and Associates who produce evidence satisfactory to the Council that they have systematically studied these subjects will be granted a certificate to that effect.

EXAMINATION PAPERS.

SESSION 1896-97.

PRACTICAL EXAMINATIONS FOR THE ASSOCIATESHIP

Under Regulations in force prior to October 1, 1893.

JULY 21st to 24th, 1896.

10 a.m. to 4.30 p.m. each day.

First Day.

1. Make a qualitative analysis of the given mixture. (Calcium phosphate and ammonium magnesium arseniate.) No traces or rare metals need be looked for.

2. Determine the percentage of ammonia in the given solution. (Ammonium sulphate.)

Second Day.

1. Identify the given substance (Salol), and prepare a pure body from it. Determine some physical constant of the derivative.

2. Prepare a specimen of crystallised formate from the glycerine and oxalic acid provided, and leave a labelled specimen on your bench.

Third Day.

Determine the total amount of manganese and of available oxygen in the given sample of manganese dioxide. State the results in percentages.

Fourth Day.

Make a quantitative analysis of the gas evolved on heating the given substance with strong sulphuric acid. (Mixture of magnesium carbonate and ammonium oxalate.)

JULY 28th to 31st, 1896.

10 a.m. to 4.30 p.m. each day.

First Day.

Ascertain and separate the two ingredients of the given organic mixture: determine the amount of each, and prepare a characteristic derivative of at least one of them. (The Candidates were given different mixtures, consisting of ethyl alcohol with tartaric, citric, benzoic and salicylic acids respectively.)

Second Day.

Determine the amount of copper and of zinc in 1,000 c.c. of the given solution of the two metals.

Third Day.

1. From the aniline provided prepare a specimen of tribromphenol and determine its melting point.

2. The given substance is a mixture of two salts. Make a qualitative analysis of it, and ascertain as far as possible in what form the ingredients are present. The Candidates were given different mixtures, viz.:—(*a*) Zinc sulphate and barium chloride. (*b*) Potassium oxalate and calcium phosphate. (*c*) Potassium ferrocyanide and ferric phosphate.

FOURTH DAY.

Determine the percentage composition of the gas evolved on acidulating the given solution with dilute sulphuric acid. (Urea and sodium nitrite.)

Intermediate Examination Papers.

JULY 21st to 24th, 1896.

The Candidates for the Intermediate Examination were asked to perform the Exercises set for the Candidates under Regulations in force prior to October 1st, 1893, during the first three days, and on the fourth day they were given the following papers in General and Theoretical Chemistry.

JULY 24th, 1896.

10 a.m. to 1 p.m.

1. What is understood by isomerism and how is it accounted for? Give an example of this phenomenon:

(*a*) In the paraffin series of hydrocarbons;

(*b*) In the benzene series of hydrocarbons;

(*c*) In the cyanogen compounds;

indicating in each case how the isomeric bodies in question can be obtained.

2. Give an account, with examples, of the influence of "mass" on chemical change.

3. Describe how sulphur can be recovered from alkali waste. Give an account of the properties of the allotropic

forms of sulphur and of the conditions under which they are respectively obtained.

4. State fully how you would prepare any colouring matter from coal-tar.

2 p.m. to 4.30 p.m.

1. Indicate the chemical character of the following elements, and assign them their positions in the Mendeléeff classification :—Phosphorus, aluminium, and nickel.

2. 0.9000 gramme of a mixture of calcium and strontium carbonates yields 1,1892 gramme of sulphates of calcium and strontium. What is the percentage composition of the mixture of carbonates ?

3. Discuss the relationship between lævulose, dextrose, lactose, and raffinose.

4. Explain the following equations and calculate from them the heat of formation of marsh gas :—

$C, O_2 = 97$ larger calories.

$H_2, O = 68{\cdot}4$ ditto.

$C H_4 + 2 O_2 = C O_2 + 2 H_2 O + 212$ larger calories.

Describe any form of apparatus by means of which the above data could be obtained.

JULY 31st, 1896.

10 a.m. to 1 p.m.

1. Explain how the specific heat of elements in the solid state can be calculated without any direct experiments being made on the elements themselves.

2. Give an account of the relationship between fumaric and maleïc acids. How are they respectively obtainable, and what is believed to be their constitution?

3. Contrast the manner in which common salt and sugar are respectively affected by solution in water?

4. What chemical changes on the industrial scale are at present affected by electrical means, and how?

2 p.m. to 5 p.m.

1. Indicate the principal reactions into which nitrous acid enters with carbon compounds, and describe in detail, any one of these which you have yourself produced or seen carried out.

2. Explain fully the chemical reactions which underlie the following analytical operations:—

(*a*) The separation of nickel and cobalt.

(*b*) The separation of copper and cadmium.

(*c*) The test for a nitrite with metaphenylenediamine.

(*d*) The chloroform test for a primary amine.

(*e*) The determination of the alkali metals in an insoluble silicate.

3. What are the principal explosives in use at the present time? What is their chemical nature and general mode of preparation?

4. What are the chief impurities in pig iron? How are they removed in the manufacture of the purer forms of the metal, and what influence do they respectively exert on its properties?

Final Examination for the Associateship.

JULY 21st to 24th, 1896.

10 a.m. to 4.30 p.m. each day.

Section "A." (Mineral Analysis.)

FIRST AND SECOND DAYS.

Make a quantitative analysis of the given sample of arsenical pyrites.

THIRD DAY.

1. You are given a solution containing potassium nitrate and sodium nitrite. Determine the amount of each salt present in 1,000 c.c.

2. Examine the given mixture, by means of the spectroscope, and state what metals are present. (Lithium, sodium, strontium, and thallium.)

FOURTH DAY.

In the given sample of steel, determine the percentage of sulphur and of phosphorus.

Section "B." (Analysis of Metals and Alloys.)

FIRST AND SECOND DAYS.

Analyse, quantitatively, the given sample of type-metal.

THIRD DAY.

Make a quantitative analysis of the given nickel coin.

FOURTH DAY.

In the given sample of steel, determine the percentage of sulphur and of phosphorus.

No Candidates presented themselves for Examination in Section "C." (Gas Analysis.)

Section "D." (Organic Analysis.)

First Day.

Identify the three ingredients of the given mixture. (Benzene, phenol, and aniline.) Leave a pure specimen of each ingredient, or of some derivative of the same, on your bench.

Second Day.

1. Determine the percentage of iodine in the given organic substance, using the calcium oxide method. (Iodoform mixed with oxalic acid.)

Make a qualitative analysis of the given mixture. (Sodium acetate and tartar emetic.)

Third Day.

1. Prepare a specimen of phenylhydrazine hydrochloride, and from this and the cane sugar provided prepare a specimen of glucosazone. Determine the melting point of the latter.

2. Prepare the platinochloride of the given alkaloid (cinchonine), and determine the molecular weight of the alkaloid.

Fourth Day.

Ascertain the vapour-density of the given specimen. (Butyl alcohol.)

Section "E." Analysis of Water, Food and Drugs.

First Day.

Determine the specific gravity, saponification equivalent, and iodine absorption of the given sample of oil. Identify the oil. (Cotton-seed oil.)

Second Day.

1. Identify and determine the amount of alkaloid in the given solution. (Tincture of nux vomica.)

2. Identify, by means of the miscroscope, the ingredients present in the given mixture. (Maize, rice, and potato starches with pepper.)

Third Day.

Make an analysis of the given sample of condensed milk, determining water, fat, milk-sugar, albuminoids and ash.

Fourth Day.

Determine the percentage of nitrogen in the given material by the soda-lime method. (Biscuit.)

Final Examination.

July 28th to 31st, 1896.

10 a.m. to 4.30 p.m. each day.

Section "A" (Mineral Analysis).

First and Second Days.

1. Make an analysis of the given sample of cement.

2. Ascertain by means of the spectroscope, what metals are present in the given powder. (Barium, strontium, and calcium.

Third Day, and First Half of Fourth Day.

Accurately determine the percentage of $P_2 O_5$ in the specimen of basic slag.

Second Half of Fourth Day.

Make a dry silver assay of the given specimen of Litharge and express the result in ounces (troy) and grains per ton.

No Candidates presented themselves for Examination in Sections "B" "C" or "D."

Section "E" (Analysis of Food, Water, and Drugs).

First Day.

The seidlitz powders supplied are supposed to have produced injurious effects. Analyse them and report whether they meet the requirements of the British Pharmacopœia. (The powder was made up with potassium oxalate instead of Rochelle salt.)

Second Day.

Analyse and report upon the given sample of butter-fat.

Third Day.

Identify, as fully as possible, the given carbohydrate. (Maltose.)

Fourth Day.

Determine the amount of nitric nitrogen in the given sample of water, by three different methods.

Special Examination in General Agricultural Chemistry.

For a Candidate for the Fellowship.

July 21st to 24th, 1896.

Prepare the ash from the given sample of Tobacco. Make a full quantitative analysis of the ash, determining carbon dioxide, silicia, alumina, iron oxide, lime, magnesia, soda, potash, phosphoric acid, sulphuric acid, and chlorine. Determine also the amount of moisture, ash, and nitrogen in the sample.

PRACTICAL EXAMINATIONS FOR THE ASSOCIATESHIP

Under Regulations in force prior to October 1st, 1893.

JANUARY 12th to 15th, 1897.

10 a.m. to 4.30 p.m. each day.

FIRST DAY.

(*a*) Make a qualitative analysis of the given mixture of two salts. (Tartar emetic and ferric phosphate; quinine sulphate and magnesium carbonate; lead carbonate and bismuth nitrate; calcium nitrate and barium sulphate. *One* mixture only was given to each candidate.)

N.B.—Candidates were not required to look for rare elements and traces in these mixtures.

(*b*) Determine the amount of Na OH and of $Na_2 CO_3$ in 1,000 c.c. of the given solution. (The solution contained sodium hydrate and sodium carbonate only.)

Second Day.

Determine the amount of lead and copper contained in 1,000 c.c. of the given solution.

Third Day.

(*a*) Identify and separate the two ingredients of the given organic mixture. (Glacial acetic acid and aldehyde; phenol and aniline; ether and aldehyde; nitrobenzene and aniline. *One* mixture only was given to each Candidate.)

(*b*) Prepare and leave a specimen of a pure derivative obtained from one of the ingredients.

Fourth Day.

Make a qualitative and quantitative analysis of the sample of gas contained in the gasholder. (Mixture of CO, N, O, and H.

Intermediate Examination Papers.

January 12th to 15th, 1897.

The Candidates for the Intermediate Examination were asked to perform the exercises set for the Candidates under Regulations in force prior to October 1st, 1893, during the first three days, and on the fourth day they were given the following papers in General and Theoretical Chemistry:—

January 15th, 1897, 10 a.m. to 1 p.m.

1. What are the chief indicators employed in the volumetric determination of acids and alkalis? Explain fully

what are the principles underlying their use, and point out how they are severally applied.

2. What different types of organic compounds containing two or more atoms of nitrogen united together are you acquainted with? Give the name and constitutional formula of one compound of each type, and indicate how the compound in question could be obtained.

3. Write an account of what you know about the preparation, properties, uses, and reactions of the metallic cyanides.

4. You are given a substance possessing the following per centage composition:—C=71·29, H=14·85, N=13·86 per cent.; give the constitutional formulæ of the bodies with this composition, and indicate how you would ascertain with which of these possible bodies you were actually dealing.

2 p.m. to 4.30 p.m.

5. Mention any drug at present made from coal-tar, and describe how its preparation is effected.

6. What evidence is there that hydrogen forms compounds with any of the metals?

7. What is hydroxylamine, how is it prepared, and what are the principal reactions into which it enters?

8. What deviations from Boyle's law are exhibited by gases, and how are these explained by the molecular theory?

Final Examination for the Associateship.

JANUARY 12th to 15th, 1897.

10 a.m. to 4.30 p.m. each day.

Section "A." (Mineral Analysis)

FIRST DAY.

Determine the sulphuric and nitric acids in the given "nitration acid."

SECOND DAY.

Estimate the percentage of potassium in the given sample of Stassfurth Salt.

THIRD AND FOURTH DAYS.

Make as complete an analysis as time permits of the given sample of Blende.

Section "B." (Analysis of Metals and Alloys).

FIRST, SECOND AND THIRD DAYS.

(*a*) Determine the two chief constituents in the given alloy. (Alloy of aluminium and cadmium.)

(*b*) Report on the given sample of iron. (Pig iron with much silicon.) What is it, and what would you expect to be the physical properties of the metal as judged from the Analysis?

FOURTH DAY.

Make a gold assay in the specimen of gold quartz.

No Candidates presented themselves for Examination in Section "C." (Gas Analysis.)

Section "D." (Organic Analysis.)

First Day.

Fully identify the given carbohydrate. (Invert sugar.)

Second Day.

Identify the given substance (Hydroquinone) and prepare a derivative of the same.

Third Day.

From the acetamide provided prepare a specimen of acetonitrile and ascertain the purity of the product either by saponification or by vapour density determination.

Fourth Day.

Determine the percentage of sulphur in the given substance. (Sulphanilic Acid).

Section "E" (Analysis of Food, Water, and Drugs).

First and Second Days.

Report on the given sample of wine, and state whether it is a natural wine. (Hock admixed with starch, sugar, and glycerine.)

Third Day.

Determine the theobromine and fat in the given sample of cocoa.

Fourth Day.

How much free sulphuric acid does the given sample of vinegar contain? State whether the vinegar contains a preservative. (Vinegar to which Sulphuric Acid, Sodium Sulphate and Sulphurous Acid had been added.)

REGISTER OF

FELLOWS, ASSOCIATES AND STUDENTS.

1897-98.

Regulations relating to the Register.

Members and Students are requested to send immediate notification of change of address to the Registrar.

Bye-law 70 :—

> "If any Fellow or Associate shall allow his annual subscription to be in arrear for one year, he shall be liable to be excluded from the Membership or to be suspended in the manner provided by Clause 16 of the Charter."

Under the powers conferred by this Bye-law, the Council have instructed the Registrar to remove from the Register the name of any Member or Student whose subscription for the current year shall remain unpaid on the 31st December.

Resolution of Council, passed Friday, 13th March, 1891 :—

> "That in all future lists of Members of the Institute of Chemistry, no degree be inserted without the name of the University granting the degree being annexed; further, that no degree or other qualification be inserted unless it be shown to be genuine to the satisfaction of the Council."

Resolution of Council, passed Friday, 20th January, 1893 :—

> "That in future all letters indicating Membership of any Society, except the Royal Society (London) be omitted in the Register from all names of Members of the Institute."

LIST OF OFFICERS AND COUNCIL

For the Year ending March 1st, 1898.

PRESIDENT.

THOMAS STEVENSON, M.D., F.R.C.P.

VICE-PRESIDENTS.

THOMAS FAIRLEY.
RICHARD JOHN FRISWELL.
WALTER NOEL HARTLEY, F.R.S.
WILLIAM RAMSAY, Ph.D., F.R.S.
WILLIAM JAMES RUSSELL, Ph.D., F.R.S.
JOHN AUGUSTUS VOELCKER, Ph.D., B.Sc.

TREASURER.

DAVID HOWARD.

MEMBERS OF COUNCIL.

MATTHEW ALGERNON ADAMS.
LEONARD ARCHBUTT.
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HENRY JAMES HELM.
GEORGE GERALD HENDERSON, M.A., D.Sc.
JOHN HUGHES.
EDWARD WILLIAM TAYLOR JONES.
HENRY CHAPMAN JONES.
WILLIAM KELLNER, Ph.D.
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BOVERTON REDWOOD.
ALFRED GORDON SALAMON.
ARTHUR SMITHELLS, B.Sc.
EDWARD CHARLES CORTIS STANFORD.
EDWARD WILLIAM VOELCKER A.R.S.M.

CENSORS.

EDWARD FRANKLAND, DAVID HOWARD,
WILLIAM JAMES RUSSELL, WILLIAM AUGUSTUS TILDEN.

HON. AUDITORS.

SAMUEL RIDEAL, JOHN SPILLER, FRANCIS NAPIER SUTTON.

HON. REGISTRAR.

JOHN MILLAR THOMSON.

SECRETARY.

RICHARD BERTRAM PILCHER.

PAST PRESIDENTS:

EDWARD FRANKLAND, D.C.L., F.R.S.	1877—1880.
Sir FREDERICK AUGUSTUS ABEL, Bart., K.C.B., D.C.L., F.R.S.	1880—1883.
WILLIAM ODLING, M.A., M.B., F.R.S.	1883—1888.
JAMES BELL, C.B., Ph.D., D.Sc., F.R.S.	1888—1891.
WILLIAM AUGUSTUS TILDEN, D.Sc., F.R.S. ..	1891—1894
WILLIAM JAMES RUSSELL, Ph.D., F.R.S. ..	1894—1897.

PAST TREASURER:

CHARLES ROMNEY ALDER WRIGHT, D.Sc., F.R.S. (*Deceased* 1894)	1877—1885.

PAST REGISTRARS:

CHARLES EDWARD GROVES, F.R.S.	1877—1892.
GEORGE HENRY ROBERTSON	1892—1894.

REGISTRAR AND HON. SECRETARY:

JOHN MILLAR THOMSON	1894—1895.

PAST EXAMINERS.

WILLIAM JAMES RUSSELL, Ph.D., F.R.S.		1878—1880
WILLIAM RICHARD EATON HODGKINSON, Ph.D. ..		1880—1882
CHARLES GRAHAM, D.Sc.	*London*	1883—1887
WILLIAM AUGUSTUS TILDEN, D.Sc., F.R.S.	*Birmingham*	
WILLIAM RAMSAY, Ph.D., F.R.S.	*Bristol*	
WALTER NOEL HARTLEY, F.R.S.	*Dublin*	
EDMUND JAMES MILLS, D.Sc., F.R.S. ..	*Glasgow*	
WATSON SMITH	*Manchester*	
JOHN MILLAR THOMSON		1887—1888
JOHN MILLAR THOMSON	*London*	1888—1891
W. W. J. NICOL, M.A., D.Sc.	*Birmingham*	
WALTER NOEL HARTLEY, F.R.S.	*Dublin*	
EDMUND JAMES MILLS, D.Sc., F.R.S. ..	*Glasgow*	
JAMES CAMPBELL BROWN, D.Sc... ..	*Liverpool*	
WATSON SMITH..	*Manchester*	
THOMAS FAIRLEY	*Leeds*	1891
THOMAS FAIRLEY	*London*	1892—1895
WYNDHAM ROWLAND DUNSTAN, M.A., F.R.S.	,,	1892—1896
OTTO HEHNER	,,	1895—
PERCY FARADAY FRANKLAND, Ph.D., F.R.S.		1896—

SOLICITORS.

Messrs. MARKBY, STEWART & CO.
57, Coleman Street, London, E.C.

BANKERS.

LONDON AND WESTMINSTER BANK, LIMITED,
Bloomsbury Branch, High Holborn, London, W.C.

OFFICES OF THE INSTITUTE:

30, BLOOMSBURY SQUARE, LONDON, W.C.

NAMES OF FELLOWS

RESIDENT IN GREAT BRITAIN AND IRELAND.

¶ *Fellows who have served as Vice-Presidents.*

‖ *Fellows who have served on the Council.*

† *Fellows who have served as Censors.*

* *Fellows who have paid Life Compositions*

A. *Date of Admission as an Associate.*

F. *Date of Admission as a Fellow.*

Date of Admission.	
F. 17/11/77 †¶	Abel, Sir Frederick Augustus, Bart., K.C.B., Hon. D.C.L. (Oxon.), Hon. D.Sc. (Cantab), F.R.S., 2, Whitehall Court, S.W.
F. 14/5/78	Abney, Capt. William de Wiveleslie, C.B., F.R.S., Welleslie House, Wetherby Place, S.W.
F. 3/3/88	Abraham, Alfred Clay, Tudor Cottage, New Brighton, Cheshire.
F. 9/1/78	Ackroyd, William, Borough Laboratory, Crossley Street, Halifax.
F. 19/3/78	Acworth, Joseph John, Ph.D. (Erlangen), 34, Chichele Road, Cricklewood, N.W.
F. 21/3/87 ‖	Adams, Matthew Algernon, Ashford Road, Maidstone.
F. 20/7/93	Addyman, Frank Thornton, B.Sc. (Lond.), Harris Institute, Preston.
F. 29/3/87	Adeney, Walter Ernest, Royal University, Dublin.
F. 9/11/87	Aikman, Charles Morton, M.A., D.Sc. (Glasgow), 128, Wellington Street, Glasgow.
F. 15/5/88	Alcock, Frank Harris, 9, Broad Street Corner, Birmingham.
F. 7/1/80	Alison, Robert Edward, 22, Brooke Street, Holborn, E.C.
F. 29/1/78 ‖	Allen, Alfred Henry, 67, Surrey Street, Sheffield.
F. 21/6/93	Anderson, Frederic Alfred, B.Sc. (Lond.), 30, Poplar Grove, West Kensington Park, W.
F. 21/5/78	Angell, Arthur, County Laboratory, Norham Lodge, Southampton.

Date of Admission.	FELLOWS.
F. 2/5/78	Angell, John, 6, Beacon's Field, Derby Road, Withington, Manchester.
F. 6/3/88	Archbutt, Leonard, The Yews, Madeley Street, Derby, and Chemical Laboratory, Midland Railway Company, Derby.
F. 21/3/87	Ashby, Alfred, M.B. (Lond.), Town Hall, Reading.
F. 9/12/87	Atkinson, Alexander John, 44, Loudoun Square, Bute Road, Cardiff.
F. 11/4/78	Atkinson, Robert William, B.Sc. (Lond.), 44, Loudoun Square, Bute Road, Cardiff.
F. 8/12/77	‖*Attfield, Professor John, M.A., Ph. D. (Tübingen), F.R.S., Watford, Herts., and 111, Temple Chambers, London, E.C.
F. 19/11/88	Audley, James A., B.Sc. (Lond.), A.R.C.Sc. (Lond.), 97, Lichfield Street, Hanley.
F. 24/4/93	Bailey, Thomas Lewis, Ph.D. (Heidelberg), University College, Liverpool.
F. 3/3/88	Baker, Charles Kerslake, Assoc.R.S.M., Prideaux Chambers, Change Alley, Sheffield.
F. 24/3/87	Baker, Harry, 42, Vicarage Road, Langley Green, and The Aluminium Co., Oldbury, Birmingham.
F. 10/3/88	Ball, Edwin Jennings, Ph.D. (Heidelberg), Inspector of Schools, Science and Art Department, 2, Gainsborough Villas, Alexandra Road, Plymouth.
F. 4/5/94	Ballard, Edward George, Assoc.R.S.M., Endon, Newton Lane, Hoole, Chester.
F. 11/2/81	Bamber, Henry Kelway, 5, Westminster Chambers, Victoria Street, S.W.
F. 2/1/78	‖ Bannister, Richard, Laboratory, Somerset House, W.C.
F. 28/1/96	Bardsley, Joshua, Church Hall, Church, Lancs.
F. 9/5/88	Barnes, Joseph, 149, Marl Terrace, Accrington.
F. 5/7/87	Barnett, Robert William, Southern Outfall Works, Crossness, Belvedere, Kent.
A. 2/11/89 F. 29/121/9	Barraclough, William Herbert, Mortomley, near Sheffield.

FELLOWS.

Date of Admission.	
A. 13/2/78 F. 12/1/83	Bascombe, Frederick, c/o Messrs. Fletcher, Fletcher & Co., Manufacturing Chemists, Holloway, N.
F. 31/1/78	Bassett, Henry, 36a, St. Andrew's Hill, Queen Victoria Street, E.C.
A. 22/1/94 F. 6/2/97	* Bayley, Frederick Shelburne, 3, Blackheath Rise, Lewisham, S.E.
F. 14/2/78	Baynes, James, Royal Chambers, Scale Lane, Hull.
F. 25/1/97	Beavis, Charles, Ph.D. (Würzburg), Woking, Surrey.
A. 9/1/90 F. 6/10/93	Beck, Charles Ridgeway, 118, Disraeli Road, Putney, London. S.W.
F. 17/2/93	‖ Bedson, Professor Peter Phillips, D.Sc. (Lond.), B.Sc. (Vict.), Durham College of Science, Newcastle-on-Tyne.
F. 21/2/79	* Beilby, George, St. Kitt's, Slateford, Scotland.
F. 29/1/95	Bell, Albert Edward, Sherborne School, Sherborne, Dorset.
A. 14/12/88 F. 9/3/92	* Bell, Percy Carter, The Cliff, Higher Broughton, Manchester.
F. 5/7/87	Bell, Chichester Alexander, B.A., M.B. (Dublin), 3, Mansfield Place, Richmond, Surrey.
F. 8/12/77	† ¶ Bell, James, C.B., Hon. D.Sc. (Dub.), Ph.D. (Erlangen), F.R.S., Howell Hill Lodge, Ewell, Surrey.
F. 25/1/78	‖ Bell, J. Carter, Assoc.R.S.M., The Cliff, Higher Broughton, Manchester.
A. 21/2/78 F. 6/3/88	Bendix, David, The British Alizarine Co., Silvertown, Victoria Docks, E.
F. 21/12/87	Benger, Frederick Baden, The Grange, Knutsford, Cheshire.
F. 21/3/87	Beringer, John Jacob, Assoc.R.S.M., Basset Road, Camborne Cornwall.
F. 19/7/80	Best, Thomas Fütcher, c/o Messrs. Lofthouse and Saltmer, Hull.
F. 24/1/93	‖ Bevan, Edward John, 4, New Court, Lincoln's Inn, W.C.
F. 30/6/88	Bevan, John William, c/o Messrs. Sir James Murray & Son, Temple Street. Dublin.
F. 29/1/78	Bickerdike, William Edward, Bryers Croft, Whilpshire, near Blackburn.
F. 9/5/88	Biggart, John William, 29, Cathcart Street, Greenock.
A. 28/2/78 F. 5/2/86	Billing, Henry Samuel, 5, Regent Terrace, Plympton, South Devon.
F. 16/1/78	Bischof, Professor Gustav, 4, Hart Street, Bloomsbury, W.C.

FELLOWS.

Date of Admission.	
A. 2/5/89 F. 7/6/92	Blake, Robert Frederick, Queens' College, Belfast.
A. 7/10/92 F. 3/12/95	Bloomer, Frederick John, 15, Brodrick Road, Upper Tooting, S.W.
A. 9/5/88 F. 23/5/91	Blount, Bertram, Chemical Laboratory and Testing Works, Broadway, Westminster, S.W.
A. 19/1/88 F. 1/1/91	Bloxam, Arthur George, The Goldsmiths Technical Institute, New Cross, London, S.E.
F. 7/6/87	Bloxam, William Popplewell, B.Sc. (Lond.), 16, Gloucester Place, Greenwich Park, S.E.
F. 21/3/87	Blunt, Thomas Porter, M.A. (Oxon.), Wyle Cop, Shrewsbury.
F. 31/3/87	Blyth, Alexander Wynter, M.R.C.S. (Eng.), L.S.A. (Lond.), Barrister-at-Law (Lincoln's Inn), Court House, St. Marylebone, W.
F. 22/3/87	Bodmer, Richard, 16, Southwark Street, London, S.E.
F. 23/3/87	Bolas, Thomas, 60, Grove Park Terrace, Chiswick, London, W.
F. 29/10/94	Boole, Miss Lucy Everest, 16, Ladbroke Road, Notting Hill Gate, W.
F. 2/4/87	Bothamley, Charles Herbert, Wentworth, Weston-super-Mare.
F. 23/3/87	Bottomley, James, D.Sc., B.A. (Lond.), Homer Terrace, 220, Lower Broughton Road, Manchester.
F. 18/12/77	Bowdler, Arthur Clegg, 20, Bank Terrace, Wellington Street, Blackburn.
F. 25/7/94	Bowes, Harry, 53, Moss Bank, Higher Crumpsall, Manchester.
F. 30/6/88	Bowlker, Rev. Thomas James, M.A. (Cantab.), Haileybury College, Herts.
F. 4/5/88	Bowman, Frederic Hungerford, Hon. D.Sc. (Richmond U.S.A.), Mayfield, Knutsford, Cheshire.
A. 30/10/90 F. 24/1/94	Boyce, Frank, 4, Queen's Square, Leeds.
F. 5/7/87	Braithwaite, Arthur, 8, Swinburn Road, Eaglescliffe Junction, Yarm.
F. 9/5/88	Branson, Frederick Woodward, Wynneholme, Far Headingly, Leeds.
F. 7/7/88	Brewis, Edward Theodore, Ampthill, Bedfordshire.
A. 6/11/90 F. 25/3/92	Broadbent, Harry, 125, Belle Vue Road, Leeds.

Date of Admission.	FELLOWS.
A. 11/4/82 F. 4/12/85	* Broadbent, John J., Ellesmere House, Patricroft, Manchester.
F. 19/12/77	Brock, John, Gwern-Tyno, Colwyn Bay, North Wales.
A. 14/11/85 F. 28/1/89	* Brothers, Horace Edward, B.Sc. (Lond.), Park Terrace, Tunstall, Stoke-on-Trent.
F. 21/3/87	Brough, Bennett Hooper, Assoc. R.S.M., The Iron and Steel Institute, 28, Victoria Street, S.W., and 31, St. Leonard's Terrace, Chelsea, London, S.W.
F. 27/12/77	Brown, Professor Alexander Crum, M.A., M.D. (Edin.), D.Sc. (Lond.), F.R.S., 8, Belgrave Crescent, Edinburgh.
F. 24/12/77	Brown, Adrian John, 6, Alexandra Road, Burton-on-Trent.
F. 23/3/87	Brown, David, 93, Abbey Hill, Edinburgh.
F. 30/6/87	Brown, Henry, Cannon Brewery, Watford, Herts.
A. 20/6/84 F. 27/11/92	Brown, Henry Charles, Sunnycote, King's Lynn, Norfolk.
F. 26/11/77	Brown, Horace T., F.R.S., 52, Nevern Square, Kensington, S.W.
F. 30/11/77	*Brown, Professor James Campbell, D.Sc. (Lond.), University College, Liverpool.
A. 11/11/90 F. 29/1/95	Brownsword, Frank, Shebbear College, Highampton, N. Devon.
F. 13/1/81	Buch, Carl Von, M.A. (Oxon), 54 and 55, Cornhill, E.C.
F. 1/1/88	Buchan, Alexander, Halls Wharf, Victoria Docks, London, E., and Maude Cottage, Pellatt Grove, Wood Green, N.
F. 15/1/78	Buchanan, John Young, F.R.S., 10, Moray Place, Edinburgh.
F. 14/4/87	Buckmaster, Charles Alexander, 16, Heathfield Road, Mill Hill Park, Acton, W.
F. 19/3/87	Budden, Edward Russell, 11, Furnival Street, Holborn, E.C.
F. 26/1/78	Bullock, John Lloyd, 3, Hanover Street, W.
A. 4/2/86 F. 28/1/89	Burgess, William Thomas, Beech Road, Reigate Hill, Surrey.
F. 2/1/78	Burge, Charles Henry, Laboratory, Somerset House, W.C.
A. 24/1/94 F. 2/3/97	Burls, Frank Borrett, c/o Messrs. F. Kendall & Sons, Chemical Works, Stratford-on-Avon.
F. 5/12/87	Burrell, Benjamin Arthur, 5, Mount Preston, Leeds.
F. 26/1/88	Busfield, James, M.R.C.S. (Eng.), L.R.C.P. (Lond.), Scoreby House, Elms Road, Clapham Park, S.W.
F. 23/2/78	Butterfield, John Cope, Ellerslea Lodge, Endlesham Road, Balham, S.W.

Date of Admission.	FELLOWS.
A. 3/11/91 F. 26/2/96	Butterfield, William James Atkinson, M.A. (Oxon.), Ebor House, Redhill.
F. 12/2/78	¶ Cameron, Sir Charles Alexander, M.D. (R.U.I.), D.P.H. (Camb.), F.R.C.S.I., M.R.C.P.I., L.A.H. (Hon. Causâ) 15, Pembroke Road, Dublin.
F. 2/1/78	Cameron, James, Laboratory, Somerset House, W.C.
F. 1/2/78	Cammack, John, 8, Salisbury Street, St. Helen's, Lancashire.
A. 9/2/78 F. 2/5/83	* Carpenter, Henry Sanders, Beckington House, Weighton Road, Anerley, S.E.
F. 17/11/77	Carpenter, R. Forbes, "Prestwich," Greencroft Gardens, West Hampstead, London, N.W.
F. 17/11/77 † ¶	*Carteighe, Michael, 180, New Bond Street, W.
F. 1/5/84 † ‖	Cassal, Charles Edward, Public Analyst's Laboratory, Mount Street, Grosvenor Square, W., and Brenne House, Wandsworth Common, S.W.
F. 2/3/88	Castell-Evans, John, 57, Westfield Road, Hornsey, N.
F. 14/2/78	Caswell, Charles Benjamin, 13, George Road, Edgbaston, Birmingham.
A. 21/12/93 F. 1/2/97	Caven, Robert Martin, B.Sc. (Lond.) University College, Nottingham.
A. 16/4/87 F. 26/1/94	Chaney, Harry James (address unknown), late of Sidcup, Kent.
F. 21/4/93	Chapman, Alfred Chaston, Laboratory, East India Chambers, 23, Leadenhall Street, London, E.C.
F. 23/12/93	Charles, Rhys Pendrill, The Laboratory, Neath.
F. 22/3/88	Chattaway, William, Apothecaries Hall, Blackfriars, S.E.
A. 7/10/92 F. 2/12/95	Chorley, John Christmas, Lodge Lane, Bewsey, Warrington.
F. 23/3/87	Chrystal, William James, Shawfield Works, Rutherglen, near Glasgow.
F. 31/1/78	† Church, Professor Arthur Herbert, M.A. (Oxon.), F.R.S., Shelsley, Kew Gardens.
F. 18/12/77	Clark, John, Ph.D. (Göttingen), City Analyst's Laboratory, 138, Bath Street, Glasgow.
F. 22/3/87	Claudet, Arthur Crozier, Assoc. R.S.M., 6 and 7, Coleman Street, E.C.

Date of Admission.	FELLOWS.
F. 9/2/78	Claudet, Frederic, 6 and 7, Coleman Street, E.C.
F. 11/12/85	Clayton, Edwy Godwin, 32, Holborn Viaduct, E.C.
F. 14/5/78	Cleminshaw, Edward, Alkali Works, Oldbury, near Birmingham.
F. 24/1/78	‖ Clowes, Professor Frank, D.Sc. (Lond.), University College, Nottingham; and Tattershall Corner, The Park, Nottingham.
F. 2/4/87	Coleman, Joseph Bernard, South West London Polytechnic, Manresa Road, Chelsea, S.W.
F. 8/1/97	Collie, John Norman, Ph.D. (Würzburg), F.R.S., Pharmaceutical Society of Great Britain, 17, Bloomsbury Square, London, W.C.
A. 18/12/88 } F. 9/3/92 }	Colwell, James Kear, Clerkenwell Town Hall, Rosebery Avenue, London, E.C.
A. 9/5/88 } F. 7/3/94 }	Connah, James, B.Sc. (Lond.), Laboratory, Somerset House, W.C.
F. 31/5/88	Cook, Ernest Henry, D.Sc. (Lond.), Clifton Laboratory, 27, Berkeley Square, Bristol.
F. 21/3/87	Cook, Edward Rider, Bow, E.
F. 14/3/88	Cooke, Frederick Barker, Messrs. Bostock & Co., South Dock, Garston, Liverpool.
F. 6/12/77	* Corfield, Professor William Henry, M.A., M.D. (Oxon.), 19, Savile Row, W.
F. 4/2/96	Coste, John Henry, 206, Amhurst Road, Hackney, N.E., and London County Council Chemical Department, 40, Craven Street, London, W.C.
F. 30/5/88	Cousins, William James, 11 and 12, Southampton Buildings, Chancery Lane, W.C.
F. 21/2/78	Cownley, Alfred John, 13, Fenchurch Avenue, E.C.
F. 7/12/95	Craig, George, 9, Hampden Terrace, Mount Florida, Glasgow.
F. 21/3/87	Cresswell, Charles Gerard, Palace Chambers, Westminster, S.W.
F. 13/3/88	Cribb, Cecil Howard, B.Sc. (Lond.), 136, Shaftesbury Avenue, W.
F. 15/3/88	Cripps, Richard Augustus, Laboratory, Hayward's Heath, Sussex.
F. 3/1/78	‖ Crookes, William, F.R.S., 7, Kensington Park Gardens, W.
F. 30/3/87	Crow, John Kent, D.Sc. (Lond.), 23, Vanbrugh Hill, Blackheath, S.E.
F. 18/1/78	Crowder, William, Assay Office and Laboratory, 271, Evering Road, Upper Clapton, N.E.
F. 9/6/88	* Crowther, Horace Woodward, Beeches Road, West Bromwich.
F. 2/6/87	Curphey, William S., 15, Bute Mansions, Hillhead, Glasgow, N.B.

Date of Admission.	FELLOWS.
F. 24/12/77	Darby, Stephen, 140, Leadenhall Street, E.C.
F. 3/1/78	Darling, William Howorth, 126, Oxford Street, Manchester.
A. 28/2/78 F. 24/3/82	Davidson, James, Summerville, near Dumfries.
F. 12/1/78	Davies, Edward, Chapel Buildings South, 28, Chapel Street, Liverpool.
A. 12/11/90 F. 27/2/94	Davies, Herbert Edward, M.A. (Cantab), B.Sc. (Lond.), Laboratory, Chapel Chambers South, 28, Chapel Street, Liverpool.
F 18/12/77	Davis, George Edward, Sandilands, Knutsford.
F. 2/1/78	Davis, Henry Wilson, Laboratory, Somerset House, W.C.
F. 24/1/88	Deehan, Martin, Chemical Laboratory, Hawick, Scotland.
F 9/8/80	Deering, William Henry, Chemical Department, Royal Arsenal, Woolwich, S.E.
A. 7/10/92 F. 30/12/95	Dent, Frankland, B. Sc. (Vict.) Yorkshire College, Leeds.
F. 12/2/78	Dewar, Professor James, F.R.S.. 1, Scroope Terrace, Cambridge.
F. 16/12/80	Dibdin, William Joseph, Mayfield, Grange Road, Sutton, Surrey.
F. 13/10/80	Dickinson, Arthur John, 4, Shardeloes Road, New Cross, S.E.
F. 3/12/87	Dobbie, James Johnstone, M.A. (Glasgow), D.Sc. (Edin.), University College of North Wales, Bangor.
A. 5/3/80 F. 17/2/85	Dobbin, Leonard, Ph.D. (Würzburg), Chemical Laboratory, University, Edinburgh.
F. 26/1/78	Dodd, Thomas Henry, Chemical Department, Royal Arsenal, Woolwich, S.E.
F. 7/7/88	Donald, Samuel, Gas Works, Dundee.
F. 22/3/87	Dott, David Brown, Abbey Hill Chemical Works, Edinburgh.
A. 19/9/88 F. 28/1/92	Douglas, William, 35, Vartry Road, Stamford Hill, London, W.
A. 13/12/92 F. 17/11/88	Dreaper, William Porter, Clifton Villa, Coggeshall Road, Braintree, Essex.
F. 1/2/88	Duggan. Thomas Richard, Sunny Bank, 28, Vanbrugh Hill, Blackheath, S.E.
F. 7/7/94	Duncan, Cecil Cooke, The Royal Agricultural College, Cirencester.
F. 24/3/87	Duncan, Charles Graham, Chemical Department, Woolwich Arsenal, S.E.
A. 11/6/91 F. 1/11/94	Duncan, William, The Laboratory, 65, Bath Row, Birmingham.
F. 8/3/94	Dunstan. Malcolm James Rowley, M.A. (Oxon.), Newcastle Circus, The Park, Nottingham.

Date of Admission.	FELLOWS.
F. 23/3/87	Dunstan, Professor Wyndham Rowland, M.A. (Oxon.), F.R.S., Imperial Institute, South Kensington, London, S.W., and Queen Anne's Mansions, London, S.W.
F. 8/12/77	Dupré, Auguste, Ph.D., M.A. (Heidelberg), F.R.S., Medical Schools, Caxton Street, Westminster.
A. 22/6/78 F. 12/4/80	*Dyer, Bernard, D.Sc. (Lond.) 17, Great Tower Street. E C.
F. 10/5/88	Dymond, Thomas Southall, County Technical Laboratory, 78, Duke Street, Chelmsford.
A. 20/5/87 F. 13/3/90	Eastes, Ernest John, 61, Chancery Lane, W.C.
F. 17/5/78	Eaton-Hodgkinson, Professor William Richard, Ph.D. (Würzburg), 8, Park Villas, Charlton Road, Blackheath, S.E.
F. 4/4/88	Edwards, Harry Leaton, 19, Park Road, Port Sunlight, Birkenhead.
F. 9/9/96	Edwards, Vincent, 81, Umfreville Road, Harringay Park, London, N.
F. 29/6/87	Ekin, Charles, 143, New Bond Street, W.
F. 27/1/88	Ellis, Charles James, 108A, Hope Street, Glasgow.
A. 8/11/90 F. 13/10/93	Ellis, Er Victor, M.Sc. (Vict.), 21, Castle Street, Edinburgh,
A. 14/3/88 F. 19/3/92	Ellwood, Thomas Ashcroft, 75, Cavendish Road, Harringay, N.
F. 3/4/78	Estcourt, Charles, 20, Albert Square, Manchester.
A. 18/11/90 F. 1/5/94	Estcourt, Philip Anderson, 20, Albert Square, Manchester.
F. 2/3/88	Evans, John Castell, *see* Castell-Evans.
F. 27/6/88	Everson, Henry Collins, 16, Cross Street, Hatton Garden, E.C.
F. 10/3/88	Fairfax, Alfred, 18, Clarence Road, Manor Park, Essex.
F. 8/1/78	*Fairley, Thomas, 17, East Parade, Leeds.
F. 17/1/78	Farries, Thomas, 16, Coleman Street, E.C.
F. 12/3/88	Farrington, Thomas, M.A. (Q.U., I.), 5, Summerhill Terrace, Cork.

Date of Admission.	FELLOWS.
F. 13/12/77	Fenton, Henry John Horstman, M.A. (Cantab), 7, Mortimer Road, Cambridge.
F. 29/1/78	*Ferguson, Professor John, M.A. (Glasgow), Hon. LL.D. (St. Andrews), The University, Glasgow.
F. 3/2/92	Field, Charles H., The Elms, Green Street Green, Orpington, Kent.
A. 22/6/78 F. 16/7/92	Firby, Alfred, 10, Infirmary Street, Leeds.
F. 13/12/89	Firkins, Arthur Charles, c/o Messrs. Peyton & Son, Chemical Works, Lister Street, Birmingham, and 35, Summer Road, Edgbaston, Birmingham.
F. 6/3/88	Fisher, Walter William, M.A. (Oxon), 5, St. Margaret's Road, Oxford.
F. 22/3/88	Fitz-Brown, George, Assoc.R.S.M., Ditton Copper Works, Widnes.
F. 30/3/87	Fletcher, Alfred Evans, "Delmore," Caterham, Surrey.
A. 7/1/90 F. 1/1/92	Fletcher, Dugald George, The Clutha Chemical Works, Maryhill, Glasgow.
F. 3/3/97	Fowler, Gilbert John, M.Sc. (Vict.), 100, Flixton Road, Urmston, near Manchester.
F. 5/7/89	Fox, William, Ethelburga House, Bishopsgate Street, E.C.
F. 17/11/77 †	*Frankland, Professor Edward, Ph.D. (Marburg), Hon. D.C.L. (Oxon), Hon. LL.D. (Edin.), Hon. LL.D. (Canada), Hon. M.D. (Würzburg), F.R.S., The Yews, Reigate.
F. 14/3/88	Frankland, Henry, Streonshalh, Linthorpe, Middlesbrough.
A. 2/3/82 F. 14/2/84	Frankland, Professor Percy Faraday, Ph.D. (Würzburg), B.Sc. (Lond.), Assoc.R.S.M., F.R.S., Mason College, Birmingham.
A. 2/11/89 F. 21/4/93	French, William, M.A. (Cantab.), 135, Walmersley Road, Bury, Lancs.
F. 17/11/77	Friswell, Richard John, 115, Darenth Road, Stamford Hill, N., Atlas Works, Hackney Wick, N.E., and 10, New Broad Street, E.C.
F. 12/3/88	Fryer, Alfred Cooper, Ph.D., M.A. (Leipzic), 13, Eaton Crescent, Clifton, Bristol.
F. 8/8/95	Fuerst, Alexander Frankenbacher, Ph.D. (Heidelberg), Melrose, 23, Marlboro' Road, London, N.W.
F. 23/2/78	Fuller, William James, Gasworks, Bournemouth.

Date of Admission.	FELLOWS.
F. 8/11/88	Gadd, W. Lawrence, Ambleside, Flixton, near Manchester.
F. 14/2/78	Gardner, John, 3, Hanover Street, W.
F. 11/9/95	Gardner, John Addyman, M.A. (Oxon.), St. George's Hospital, Hyde Park Corner, W., and 5, Bath Place, Holywell.
F. 9/2/78	Garrick, Andrew Ross, Ph.D. (Göttingen), Huyton, Liverpool.
F. 12/2/78	Gatehouse, James Wright, 36, Broad Street, Bath.
F. 5/4/88	Gemmell, George Harrison, The Chemical Laboratory, 4, Lindsay Place, Edinburgh.
A. 9/11/88 F. 14/3/92	Gerrans, Benjamin Henry, 99, Blackfriars Road, S.E.
A. 21/2/78 F. 1/3/82	Gibson, Professor John, Ph.D. (Heidelberg), Heriot-Watt College, Edinburgh.
F. 1/1/90	Giles, William Brantingham, 1, The Avenue, Church Road, Leyton, E.
F. 20/12/77 † ‖	Gladstone, John Hall, Ph.D. (Giessen), D.Sc. (Dublin), F.R.S., 17, Pembridge Square, Hyde Park, W.
A. 4/5/92 F. 6/7/95	Glendinning, Tom Aldrich, The Brewery, Leeds.
F. 3/5/78	Glover, George Thomas, Corbys, Hoylake, Cheshire.
F. 21/1/78	Gordon, Joseph Gordon, Athenæum Club, Pall Mall, S.W.
A. 10/3/85 F. 26/9/87	‖ *Gowland, William, Assoc.R.S.M., 13, Russell Road, Kensington, London, W.
F. 18/12/77 ¶	Graham, Professor Charles, D.Sc. (Lond.), 23, Euston Buildings, N.W.
A. 29/10/79 F. 20/12/82	Graham, Christopher Colborne, Messrs. Blundell, Spence & Co., Beverley Road, Hull.
A. 27/11/89 F. 17/2/93	Grant, James, 9, Arthur Street, Prestwich, near Manchester.
A. 23/3/87 F. 8/11/90	Gray, George Watson, 13, North John Street, Liverpool.
F. 4/7/88	Gray, John, Ellangowan, Shaiton, Loanhead, N.B.
A. 5/11/90 F. 3/1/94	Greaves, William, c/o Powell Duffryn Steam Coal Co., Aberaman, Aberdare, South Wales.
F. 22/3/87	Green, Arthur George, 13, King's Drive, Heaton Moor, near Stockport.
F. 27/6/88	Green, John Edward, Assoc.R.S.M., 1, Queen's Road, Urmston, near Manchester.
F. 17/12/77 ‖	Greenaway, Alfred John, 39, Frognal, Hampstead, N.W.

FELLOWS.

Date of Admission.	
A. 9/2/78 F. 19/1/83	Greenish, Henry George, 20, New Street, Dorset Square, N.W.
F. 30/1/78	Gregory, Henry Richard, 7, Quality Court, Chancery Lane, E.C.
F. 26/1/78	Greville, Henry Leicester, Diersheim, Churchfields, Woodford, Essex.
F. 29/10/80	Grimwood, Robert, County Council, Spring Gardens, S.W.
F. 30/11/77	*Groves, Charles Edward, F.R.S., Kennington Green, S.E., and Guy's Hospital, Southwark, S.E.
A. 24/11/91 F. 30/11/95	Grundy, Frank Barnes, 14, Palmer Street, Westminster, S.W.
F. 8/3/78	Gurney, Hosker Samuel Lewis, Hafod, Shurdington, Cheltenham.
F. 20/6/93	Guttmann, Oscar, 18, Aberdare Gardens, South Hampstead, N.W.
A. 19/2/78 F. 19/11/90	Haddock, Arthur Geoffrey, c/o The Aluminium Company, Limited, Oldbury, Birmingham.
F. 4/6/88	Hailes, Alfred James de, 15, Red Lion Square, London, W.C.
F. 19/2/78	Hake, Henry Wilson, Ph.D. (Giessen), Westminster Hospital Medical School, Caxton Street, S.W.
A. 30/10/90 F. 20/2/94	Hall, Archibald, 34, Bishopsgate Street, E.C.
F. 24/3/87	Hall, Samuel, East London Soap Works, Bow, E.
F. 13/10/92	Hambly, Frederick John, Gordon's College, Aberdeen, N.B.
F. 14/4/88	Hamilton, Robert, Furnace Gases Company, Shotts, Lanarkshire, N.B.
F. 3/5/78	Hanbury, Cornelius, Plough Court, 37, Lombard Street, E.C.
A. 14/12/77 F. 22/1/80	Hannay, James Ballantyne, Cove Castle, Loch Long, N.B., and Whitehall Club, London, S.W.
F. 7/7/88	Harbord, Frank William, Station Road, Egham.
F. 26/8/90	Harcourt, Professor Augustus George Vernon, M.A. (Oxon), Hon. LL.D. (Montreal), Hon. D.C.L. (Durham), F.R.S., Cowley Grange, Oxford.
F. 30/6/88	Hargreaves, John, Widnes, Lancashire.
F. 2/1/78	‖ Harkness, William, Laboratory, Somerset House, W.C.
F. 7/10/80	Harland, Robert Henry, Plough Court, 37, Lombard Street, E.C.

Date of Admission.	FELLOWS.
F. 9/10/80	Harris, Frank W., The Laboratory, Great Western Railway, Swindon, Wilts.
F. 30/3/87	Harrow, George Henry Unwin, Ph.D. (Würzburg), The Laboratory, Messrs. Allsopp & Sons, Limited, Burton-on-Trent.
F. 18/7/88	Hart, Peter, Gransmoore, Fairfield, Manchester.
A. 17/8/86 F. 10/1/90	Hart, William Beamont, Gransmoore, Fairfield, Manchester.
F. 11/12/77	** Hartley, Professor Walter Noel, F.R.S., Royal College of Science, Stephen's Green, Dublin.
F. 3/3/88	Harvey, Sidney, South Eastern Laboratory, and Watling House, Canterbury.
F. 7/2/78	Hastings, Henry Mitchell, 54, Edith Road, The Cedars, West Kensington, W.
A. 26/3/88 F. 2/6/91	Head, Casimir James, 106, Leadenhall Street, London, E.C.
A. 31/10/90 F. 30/10/95	Hefford, George, junr., B.Sc. (Vict.), King Alfred's School, Wantage.
F. 7/2/78	‖ Hehner, Otto, 11, Billiter Square, E.C.
F. 2/1/78	Helm, Henry James, Simonstone, Hammelton Road, Bromley, Kent.
A. 5/2/78 F. 8/7/89	* Hellon, Robert, Ph.D. (Heidelberg), Assoc. R.S.M., 47, New Lowther Street, Whitehaven.
F. 6/6/87	† Henderson, Professor George Gerald, M.A., D.Sc. (Glasgow), Technical College, 204, George Street, Glasgow.
A. 4/11/91 F. 17/7/94	Hendrick, James, B.Sc. (Lond.), Agricultural Laboratory, The University, Aberdeen.
F. 17/11/77	‖ Herman, Douglas, Eccleston Park, Prescot, Lancs.
F. 23/10/80	Heron, Francis, M.B., B.Ch., B.A. (Dub.), City Laboratory, 17, Castle Street, Dublin.
F. 30/3/87	Heron, John, B.E. (Ireland), 110, Fenchurch Street, E.C.
F. 22/3/87	Herroun, Edward Felix, Riverdale, Westcombe Park, S.E.
F. 18/1/78	‖ Hewitt, David Basil, B.A. (Dublin), L.R.C.S. (Ireland), Oakleigh, Northwich, Cheshire.
F. 5/3/78	Hibbert, Walter, 14, Goldhurst Terrace East, South Hampstead, N.W.
F. 24/7/93	Hiepe, William Louis, Ph.D. (Berne), Kilvert's Buildings, Withy Grove, Manchester.
F. 3/1/78	‖ Hill, Alfred, M.D. (Aberdeen), The Council House, Birmingham.

Date of Admission.	FELLOWS.
F. 30/10/79	Hill, A. Bostock, M.D. (Giessen), D.P.H. (Cantab.), Unity Buildings, Temple Street, Birmingham.
F. 6/12/77	Hodges, John Frederick William, Queen's College, Belfast.
F. 7/1/78	|| Hodges, Professor John Frederick, M.D. (Giessen), Hon. M.D. (Royal University, Ireland), J.P., Sandringham, Malone Road, Belfast.
F. 7/11/83	Hodgkin, John, 12, Dynevor Road, Richmond, Surrey.
F. 17/5/78	Hodgkinson, Professor W. R. (*see* Eaton-Hodgkinson).
F. 9/5/88	Hogben, Walter, 18, Hunter's Road, Handsworth, Birmingham.
F. 21/14/87	Holland, Philip, 22, Taviton Street, Gordon Square, W.C.
F. 20/3/88	Holloway, George Thomas, Assoc. R. Coll. Sc., 57 and 58, Chancery Lane, W.C.
F. 2/1/78	Holmes, John, Laboratory, Somerset House, W.C.
A. 18/11/91) F. 19/11/94)	Homfray, David, B.Sc. (Lond.), 6, Dartmouth Row, Greenwich, S.E.
F. 22/3/87	Hooper, Egbert Grant, Laboratory, Somerset House, W.C.
A. 1/1/84) F. 8/6/87)	Hopkins, Frederick Gowland, M.B., B.Sc. (Lond.), Medical School, Guy's Hospital, London, S.E.
F. 19/11/88	Hornby, John, Gas Light and Coke Company, Beckton, North Woolwich, and 3, Crescent Terrace, Beckton.
F. 2/33/87	Hoskins, Arthur Percy, 25, Cromwell Road, Belfast.
F. 21/12/77 †¶	*Howard, David, Devon House, Buckhurst Hill, Essex, and Stratford, E.
F. 13/2/78	Howard, Thomas, 50, Ellington Street, Liverpool Road, N.
F. 18/1/78	* Howard, William Dillworth, Stratford, E.
F. 14/2/79	|| Hughes, John, 79, Mark Lane, E.C.
F. 30/6/88	Hughes, Newton, The Bedol, Bagillt, Holywell, Flintshire.
F. 30/5/88	Hughes, Thomas, Borough Analyst's Office, 31, Loudoun Square, Cardiff.
F. 26/6/88	Hughes, T. Vaughan, Assoc. R.S.M., Princes Chambers, 6, Corporation Street, Birmingham.
F. 10/3/88	Hummel, Professor John James, The Yorkshire College, Leeds.
F. 10/3/90	Hunter, John, 29, Chambers Street, Edinburgh.
F. 13/5/78	|| Huntington, Professor Alfred Kirby, Assoc.R.S.M., Metallurgical Laboratory, King's College, W.C.
F. 27/4/94	Huntly, George Nevill, B. Sc. (Lond.), A.R.C. Sc. (Lond.), 56, Sheen Road, Richmond, Surrey.

Date of Admission.	FELLOWS.
F. 2/2/78	Huskisson, Henry Owen, 5, Gordon Square, London, W.C.
F. 4/6/88	Huskisson, Paul Lawrence, 25, Queen's Road, N.W.
F. 1/2/78	Huson, Charles William, B.Sc. (Lond.), 5, York Buildings, Dale Street. Liverpool.
F. 3/3/88	Hutchinson, Christopher Clarke, 3, Harcourt Buildings, Temple, E.C.
A. 9/2/78 F. 31/3/82	Hutchinson, Thomas James, Aden House, Manchester Road, Bury.
F. 4/12/77	Huxley, James Henry, Assoc.R.S.M., 15, Kenwood Park Road, Sharrow, Sheffield.
A. 7/11/90 F. 20/2/94	Ingle, Harry, Ph.D. (Munich), 15, John Street, Kirkcaldy, Fife, N.B.
F. 9/5/88	Ingle, Herbert, The Yorkshire College, Leeds.
A. 3/1/94 F. 4/5/97	Ivatto, Harold Edmund, 27, Wellington Square, Chelsea, S.W.
F. 31/1/78	Jackson, Edgar, Assoc.R.S.M., 106, Queen Victoria Street, E.C.
F. 30/5/88	Jackson, Edward, 27, Beaufort Road, Edgbaston, Birmingham.
F. 12/4/87	Jackson, Herbert, King's College, W.C.
A. 22/6/78 F. 1/1/84	Jago, William, Godrevy House, Wilbury Avenue, Hove, Sussex, and 35, Queen Victoria Street, London, E.C.
F. 7/7/80	Jamieson, Thomas, 173, Union Street, Aberdeen.
F. 18/1/79	Japp, Professor Francis Robert, M.A., LL.D. (St. Andrews), Ph.D. (Heidelberg), F.R.S., The University, Aberdeen.
F. 30/3/87	Jarmain, George, 9, York Place, Huddersfield.
F. 30/3/87	Jarmay, Gustav, Northwich, Cheshire.
A. 1/1/90 F. 27/1/94	Jennison, Francis Herbert, Craighall Chemical Works, Maryhill, Glasgow.
F. 30/6/88	Jewson, Francis Albert Bowen, 21, St. George's Road, Southwark, S.E.
A. 16/3/78 F. 28/2/83	Jobson, Thomas, c/o Messrs. W. Jessop & Sons, Brightside Works, Sheffield.
A. 1/12/85 F. 15/10/88	Johnson, Alfred Edward, Assoc.R.C.Sc.I., Glyndwr, Lea Road, Wolverhampton.
A. 7/10/92 F. 31/1/96	*Johnson, Edmond Ernest, The Engineering Works, Carpenter's Road, Stratford, E.

FELLOWS.

Date of Admission.	
F. 29/1/78	Johnson, George Stillingfleet, M.R.C.S. (Eng.), 11, Savile Row, W.
F. 26/6/88	Johnson, James Edward, 40, Idmiston Road, Stratford, E.
F. 8/3/88	Johnstone, James, Shawfield Works, Rutherglen.
F. 14/5/88	Jones, Edward, B.Sc. (Lond.) Vine Cottage, Tudor Road, Kingston-on-Thames.
F. 21/1/78	‖ Jones, Edward William Taylor, Wolverhampton.
F. 5/2/80	‖ Jones, Henry Chapman, Royal College of Science, South Kensington, S.W.
A. 1/11/88 F. 3/7/91	Jones, Hedley Gordon, 72, Queensland Street, Edgehill, Liverpool.
F. 1/6/88	Jones, Henry Thomas, Analytical Laboratory, 9, Greyfriars Buildings, and 7, Crimon Place, Aberdeen.
A. 3/11/90 F. 31/3/96	Joseland, Walter Herbert, B.Sc. (Vict.), Talke, near Stoke-on-Trent, Staffordshire.
A. 5/12/89 F. 7/2/95	Kay, Percy, Ph.D. (Heidelberg), Lilymount, Heaton Road, Manningham, Bradford.
F. 30/1/78	‖ Kellner, William, Ph.D. (Göttingen), Royal Arsenal, Woolwich, S.E.
A. 30/3/82 F. 9/7/85	Kemp, William Joel, Mountfield, Robertsbridge, Sussex.
F. 3/5/78	Kendall, James Alfred, Lonesome Chemical Works, Streatham Common, S.W.
A. 24/3/87 F. 29/10/95	Kershaw, John Baker Cannington, 7, Queen Street, Waterloo, Nr. Liverpool.
F. 8/3/78	‖ *Kinch, Edward, Royal Agricultural College, Cirencester.
A. 25/8/88 F. 11/6/92	King, Andrew, Chemistry Department, Heriot-Watt College, Edinburgh.
F. 12/2/78	King, John Falconer, Edinburgh.
F. 21/12/77	‖ Kingzett, Charles T., Elmstead Knoll, Chislehurst, Kent.
A. 27/12/93 F. 25/1/97	* Kirkaldy, Patrick Henry, 19, Clifton Road, Crouch End, N.
F. 18/2/78	Kitchin, Archibald, 27, King Street, Whitehaven.
F. 1/11/88	Kitto, Benedict, Assay Office, 30 and 31, St. Swithin's Lane, E.C.
F. 20/3/88	Kling, Archibald, Winnington Park, Northwich, Cheshire.

Date of Admission.	FELLOWS.
F. 3/4/88	Knecht, Edmund, Ph.D. (Zurich), Technical School, Manchester.
F. 10/3/88	Knight, Alfred Henry, 2, Gerald Road, Oxton, Cheshire.
F. 3/7/80	Knights, James West, County and Borough Analyst, Cambridge.
F. 4/7/87	Kohn, Charles Alexander, Ph.D. (Erlangen), B.Sc. (Vict.), Chemical Laboratory, University College, Liverpool.
F. 22/3/87	Koningh, Leonard de, 325, Kennington Road, S.E.
F. 3/5/78	‖ Kynaston, Josiah W., 3, Oak Terrace, Beech Street, Liverpool.
F. 4/6/87	Laidler, Charles Pringle, 20, Noble Terrace, Gateshead-on-Tyne.
F. 20/9/88	Laing, John, 11, Leopold Place, Edinburgh.
F. 26/6/88	* Lamont, Robert, Sturrock Street, Kilmarnock.
F. 18/4/88	Lapper, Edwin, L.R.C.S. (Ireland), F.R.C.P. (Ireland), Royal College of Surgeons in Ireland, Dublin.
F. 30/6/88	Last, Frank Bernard, Landore R.S.O., South Wales.
F. 28/1/78	Lawes, Sir John Bennet, Bart., Hon. D.Sc. (Cantab.), F.R.S., Rothamstead, St. Albans.
F. 23/3/87	Laws, Joseph Parry, Westfield, Bath Road, Worcester.
F. 3/3/88	* Lawson, Thomas Atkinson, Ph.D. (Marburg), B.Sc. (Lond.), 114, Alexandra Road, N.W.
F. 3/3/88	Leach, John Comyns, M.D. (Durham), B.Sc. (Lond.), D.P.H. (Cantab and Lond.), The Lindens, Sturminster Newton, Dorset.
F. 4/2/78	Leebody, Professor John Robinson, M.A., D.Sc. (Royal University, Ireland), Magee College, Londonderry.
A. 31/1/89 F. 17/3/92	Leeds, Frank Henley, 26, East Bank, Stamford Hill.
A. 3/10/78 F. 8/7/80	* Legg, John Edmund, M.A. (Cantab.), The Grammar School Woodbridge, Suffolk.
A. 7/10/92 F. 29/10/95	Leigh, Cecil, Birmingham Small Arms and Metal Co., Ltd., Adderley Park Rolling Mills, Birmingham.
A. 28/10/91 F. 13/11/94	Leonard, Norman, B.Sc. (Lond.), Chemical Laboratory, Guy's Hospital, S.E.
A. 29/10/90 F. 13/10/93	Lester, Joseph Henry, M.Sc. (Victoria), 51, Arcade Chambers, St. Mary's Gate, Manchester.

Date of Admission.	FELLOWS.
F. 8/8/87	Lewes, Professor Vivian Byam, Royal Naval College, Greenwich, S.E.
F. 2/1/78	‖ Lewin, George, Laboratory, Somerset House, W.C.
A. 22/3/87) F. 16/12/89)	Lewis, Arthur Edward, B.A. (R.U.I.), 7, Gilford Road, Sandymount, Co. Dublin.
F. 10/3/88	Lewkowitsch, Julius Isidore, Ph.D. (Breslau), Lancaster Avenue, Fennel Street, Manchester
F. 7/6/88	Lichtenstein, Theodore David, Chemical Works, Silvertown, London, E.
A. 30/6/88) F. 22/3/97)	Lilburne, John, High Street, Hoddesdon, Hertford.
F. 4/1/88	Ling, Arthur Robert, Carlton Villas, 45, Lambton Road, Cottenham Park, Wimbledon.
F. 24/1/78	* Liveing, Professor George Downing, M.A. (Cantab), Hon. D.Sc. (Dublin), F.R.S., Cambridge.
A. 2/1/89) F. 26/1/92)	* Liverseege, John Francis, 292, Rotton Park Road, Edgbaston, Birmingham.
F. 22/3/87	Livingston, William John, London County Council, Spring Gardens, S.W.
F. 20/4/87	Lloyd, Frederick James, Agricultural Laboratory, 4, Lombard Court, E.C.
F. 1/2/95	Lones, Joseph, Lansdowne, South Road, Smethwick.
F. 6/2/78	Loram, Herbert Y., 19, Hillside Road, Stamford Hill, N.
A. 31/10/90) F. 6/11/96)	Lord, John Goodsir, M.A. (Oxan.), King Edward VI. School, Saffron Walden, Essex.
F. 5/12/77	Lott, Francis Edward, Assoc.R.S.M., Glenthorne, Alexandra Road, Burton-on-Trent.
F. 2/4/87	Louis, David A., 77, Shirland Gardens, W.
F. 3/1/80	Louis, Professor Henry, Assoc. R.S.M., Durham College of Science, Newcastle-on-Tyne.
F. 7/11/83	* Lovibond, Thomas Watson, West Jesmond House, Newcastle-on-Tyne.
F. 16/1/78	Lowe, Alfred John George, 15, Fenchurch Street, E.C.
F. 23/3/87	Lowe, Charles, Summerfield House, Reddish, near Stockport.
A. 9/2/87) F. 25/5/91)	Lowe, Clement Ward, Summerfield House, Reddish, near Stockport.
F. 5/1/78	Lowe, William Foulkes, Assoc.R.S.M., 9, Hough Green, Chester.

Date of Admission.	FELLOWS.
A. 14/12/77 F. 6/1/80	Luff, Arthur Pearson, M.D., B.Sc. (Lond.), 31, Weymouth Street, Cavendish Square, W.
A. 9/5/88 F. 3/7/91	Lumsden, Alexander Anderson, Forth Chemical Works, Boness, Scotland.
F. 27/2/95	Luxmoore, Charles Mann, D.Sc. (Lond.), University Extension College, Reading.
F. 11/9/79	Lyon, Surgeon Lieut.-Colonel Isidore Bernadotte, C.I.E., 164, Sutherland Avenue, Maida Vale, W.
F. 13/2/78	Lyon, John George, Carleton Park, Pontefract.
F. 27/12/77	Lyte, Farnham Maxwell, M.A., (Cantab.), 60, Finborough Road, Redcliffe Square, S.W.
F. 30/11/77	Macadam, Professor Stevenson, Ph.D. (Giessen), Surgeons' Hall, Edinburgh.
A. 3/11/88 F. 28/1/92	Macadam, Stevenson J. C. G., Jun., Surgeons' Hall, Edinburgh.
A. 23/2/78 F. 5/7/80	Macadam, Professor William Ivison, Surgeons' Hall, Edinburgh.
F. 19/10/80	* Macallan, John, Assoc.R.C.Sc.I., Laboratory, Municipal Buildings, Dublin.
F. 3/3/88	MacCabe, William Bernard, Belville, Donnybrook, and Engineer's Office, City Hall, Dublin.
F. 14/3/79	Macdougald, George D., 13, Shore Terrace, Dundee.
F. 31/1/89	Macfadyen, Allan, Lecturer on Bacteriology, British Institute of Preventive Medicine, 39, Ridgmount Gardens, London, W.C.
F. 7/7/88	Macfarlane, Robert Fleming, Tharsis Copper Works, Cardiff.
F. 1/1/89	Macfarlane, Walter, Kelvin Villa, Wednesbury, Staffs.
A. 13/5/78 F. 17/8/82	* MacIvor, Ralph Waldo Emerson, 91, Blackfriars Road, London, S.E.
F. 5/6/88	Mackey, William McDonnell, Victoria Chambers, South Parade, Leeds.
A. 4/4/82 F. 22/4/87	‖ Macnab, William, 14, Great Smith Street, Westminster, S.W.
F. 1/12/77	‖ Mactear, James, 28, Victoria Street, Westminster, S.W.
F. 21/9/88	* Mallet, Frederic Richard, 18, The Common, Ealing, W.
F. 18/12/77	‖ Manning, Frederick Alfred, 18, Billiter Street, E.C.

Date of Admission.	FELLOWS.
F. 18/1/78	Marcet, William, M.D. (Edin.), F.R.S., Flowermead, Wimbledon Park, S.W.
A. 13/12/78 F. 12/11/80	Marsden, Robert Sydney, D.Sc., M.B. (Edin.), 64, Park Road South, Birkenhead.
F. 21/12/91	Marshall, William, 149, Drake Street, Rochdale.
F. 18/1/78	Maskelyne, Nevil Story, F.R.S., Basset Down House, Swindon.
A. 5/6/84 F. 5/1/88	Mason, Arthur Thomas, Ph.D. (Zurich), Derby Street, Bolton, Lancashire.
F. 14/4/80	Mathew, William Edward Brisé de Vere, 13, Orlando Road, Clapham Common, S.W.
A. 23/2/78 F. 15/5/83	Matthews, Charles George, St. John's Lodge, Beckenham, Kent.
F. 30/3/87	Matthews, Francis Edward, Ph.D. (Göttingen), The Pines, Englefield Green.
F. 9/10/80	McAlley, Robert, Bankside, Falkirk, N.B.
A. 12/3/88 F. 28/1/91	McBretney, Edmund George, Aire and Calder Bottle Works, Castleford, Yorkshire.
F. 9/5/88	McCowan, William, 45, Mott Sreet, Birmigham.
A. 14/11/89 F. 21/12/94	McCubbin, William Alexander, Mill Bank House, West Derby, Liverpool.
F. 28/12/93	McCulloch, Norman, 9, West Princess Street, Glasgow.
A. 9/2/78 F. 30/11/81	McGowan, George, Ph.D. (Leipzic), 1, Mount Avenue, Ealing, Middlesex.
F. 23/2/93	McKerrow, William James, D.Sc. (Tübingen), c/o Messrs. J. C. and J. Field & Co., Upper Marsh, Lambeth.
F. 18/12/77	|| McLeod, Professor Herbert, F.R.S., Cooper's Hill, Staines.
F. 23/3/87	McMillan, Walter George, Metallurgical Laboratory, Mason College, Birmingham.
F. 31/5/88	McNeill, Bedford, Assoc.R.S.M., 25A, Old Broad Street, E.C.
F. 23/11/87	Meanwell, Charles Wright, 19, Sotheby Road, Highbury Park, N.
F. 11/1/78	||*Meldola, Professor Raphael, F.R.S., 6, Brunswick Square, W.C.
F. 1/11/95	Melland, Godfrey, B.Sc. (Vict.), A.R.S.M., University College, Nottingham.
F. 3/3/88	Mellon, William Warnock, 16, Sandymount Road, Dublin.
A. 31/10/88 F. 14/3/92	Mercer, Thomas, Great Hey, Edenfield, near Bury, Lancashire.
F. 3/6/80	Midwinter, Edward J. H., L.S.A., 77, Croydon Road, Anerley.

FELLOWS.

Date of Admission.		
F. 28/3/87		Miller, Alexander Kenneth, Ph.D. (Würzburg), 111, Plymouth Grove, Manchester.
F. / /97		Miller, James, 2, Ailsa Terrace, Hillhead, Glasgow.
A. 18/2/78 F. 7/10/80		Miller, John, 6, Woodlands, Langside, Glasgow, Scotland.
F. 29/3/87		Miller, Norman H. J., Ph.D.(Würzburg), Harpenden, Herts.
F. 14/1/78	‖ *	Mills, Professor Edmund James, D.Sc. (Lond.), F.R.S., Young Laboratory, 60, John Street, Glasgow.
A. 28/12/93 F. 4/5/97		Mitchell, Charles Ainsworth, B.A. (Oxon.), 33, Oakley Crescent, Chelsea, S.W.
F. 22/1/78	*	Mond, Ludwig, F.R.S., 20, Avenue Road, Regent's Park, N.W.
F. 16/1/88		Moody, Gerald Tattersall, D.Sc. (Lond.), Central Institution, Exhibition Road, London, S.W.
F. 30/6/88		Moore, Charles Clifton, Harley Buildings, 11, Old Hall Street, Liverpool.
A. 19/2/89 F. 30/3/93		Moore, Charles Henry Ralph, c/o Messrs. Sheppy Glue and Chemical Works, Queenborough, near Sheerness.
F. 3/3/88		Moritz, Edward Ralph, Ph.D. (Göttingen), Laboratory, 72, Chancery Lane, W.C.
F. 6/7/87	‖	Morley, Henry Forster, M.A., D.Sc. (Lond.), 47, Broadhurst Gardens, S. Hampstead, N.W.
F. 21/3/87		Morris, George Harris, Ph.D. (Würzburg), 72, Chancery Lane, W.C.
F. 27/1/91	‖	Mosenthal, Henry de, 220, Winchester House, Old Broad Street, E.C.
F. 31/1/78		Moss, John, 39, Tressillian Road, St. John's, S.E., and Galen Works, Wilson Street, New Cross Road, S.E.
F. 29/6/80		Moss, Richard Jackson, Laboratory, Royal Dublin Society, Dublin; and St. Aubyn's, Ballybrack, Co. Dublin.
F. 7/7/88		Moul, Frank, Aldersgate Chemical Works, Southall.
F. 14/5/88		Munro, John May Herbert, D.Sc. (Lond.), Riverside, Churchfields, Salisbury.
F. 6/2/78	‖	Muspratt, Edmund K., 5, Windsor Buildings, George Street, Liverpool.
F. 4/4/80	‖	Muter, John, Ph.D. (Rostock), South London Central Public Laboratory, 325, Kennington Road, S.E.
F. 9/2/78		Napier, James, 89, London Road, Ipswich.
F. 23/3/87		Naylor, William Arthur Harrison, 38, Southwark Street, S.E.

Date of Admission.	FELLOWS.
A. 7/10/92 F. 29/10/95	New, Cecil Henry, "The Nook," Liverpool Road, Cadishead, near Manchester.
F. 27/11/77 ‖	Newlands, Benjamin Edward Reina, 2, St. Dunstan's Hill, London, E.C.
F. 1/1/78	Newlands, John Alexander Reina, Laboratory, 2, St. Dunstan's Hill, London, E.C.
F. 17/5/78	Newth, George S., Lyndhurst House, Wallington, Surrey.
F. 18/5/88	Newton, William, Ph.D. (Zürich), 39, Mincing Lane, London, E.C.
F. 6/6/78 *	Nicholson, Brigade Surgeon Lieut.-Col. Edward, D.P.H. (Cantab), 10, Alexandra Road, Waterloo, Liverpool.
F. 30/3/87	Nicol, W.W. J., M.A., D.Sc. (Edin.), 15, Blacket Place, Edinburgh.
F. 4/11/80	Nimmo, James, 17, Great Tower Street, E.C.
A. 7/10/92 F. 22/1/97	Norris, Thomas Henry, Finsbury Technical College, London, E C.
F. 22/3/87	Obach, Frederick August Eugene, M.A., Ph.D. (Leipzic), Messrs. Siemens Bros. & Co., Woolwich, S.E.
A. 23/11/89 F. 27/6/92	Oddy, Robert Walter, Waterhouse, Toad Lane, Rochdale.
F. 2/1/78	Odling, Walter, 132, High Street, Burton-on-Trent,
F. 8/1/78 †¶	Odling, Professor William., M.A. (Oxon.), M.B. (Lond.), F.R.S., 15, Norham Gardens, Oxford.
F. 10/7/88	Ody, Joshua Caleb, c/o Messrs. Kynoch & Co., Cordite Works, Arklow, Ireland.
F. 15/12/77 ‖	Ogston, George Henry, 23, Down Street, Piccadilly, W.
F. 14/12/77	Ollerenshaw, Samuel, 96, Davyhulme Lane, Urmston.
F. 14/3/88	Orsman, William James, Roburite Explosives Company, Gathurst, near Wigan.
F. 7/7/88	Ostersetzer, Julius, North Wall, Dublin.
F. 1/12/77 ‖	O'Sullivan, Cornelius, F.R.S., 140, High Street, Burton-on-Trent.
F. 2/7/87	O'Sullivan, James, High Bank, Burton-on-Trent.
F. 11/1/78	Packer, George Smithers, Meadow Bank House, Sharrow, Sheffield.
F. 22/1/78	*Page, Frederic James Montague, B.Sc. (Lond), Assoc.R.S.M., 54, Sutherland Street, Pimlico, S.W.

Date of Admission.	FELLOWS.
F. 7/12/77	Parkinson, Robert, Ph.D. (Giessen), Yewbarrow House, Grange-over-Sands, Lancashire.
F. 27/1/96	Parry, Ernest John, B.Sc. (Lond), London County Council Chemical Department, 40, Craven Street, London, W.C.
F. 3/2/88	Patchett, Isaac, 1, Leopold Square, Leeds.
A. 19/2/78 F. 10/1/88	Patterson, George, The Manbré Saccharine Co., Limited, Fulham Palace Road, Hammersmith, W.
F. 18/1/78	Patterson, Thomas Law, Maybank, Finnart Street, Greenock.
F. 9/5/88	Pattinson, Hugh Salvin, Ph.D. (Zurich), 75, The Side, Newcastle-on-Tyne.
F. 19/12/77 †‖	Pattinson, John, 75, The Side, Newcastle-on-Tyne.
F. 24/3/80 ‖	Paul, Benjamin Horatio, Ph.D. (Giessen), Parkside, Kingston Vale, Putney, S.W., and 20, Victoria Street, S.W.,
F. 5/7/87	Paul, Lewis Gordon, Ph.D. (Tübingen), Messrs. Read, Holliday & Sons, Limited, Huddersfield.
A. 26/5/87 F. 9/3/91	Pauls, Charles Alfred, B.Sc. (Vict.), 72, Merton Road, Wimbledon, and Ruttish Science School, Merton, Surrey.
F. 30/6/88	Payne, John Henry, Mineral House, Mexborough, Rotherham.
F. 25/3/87	Perkin, Arthur George, 8, Montpelier Terrace, Hyde Park, Leeds.
F. 27/11/77 *	Perkin, William Henry, Hon. Ph.D. (Würzburg), Hon. LL.D. (St. Andrews), F.R.S., The Chestnuts, Sudbury.
F. 29/3/87	Perkin, Professor William Henry, jun, Ph.D. (Würzburg), F.R.S., Fairview, Wilbraham Road, Fallowfield, Manchester.
F. 27/6/88	Perkins, Frank Pince, The Close, Exeter.
F. 12/1/88	Pettigrew, John, Messrs. Ingham, Clark & Co., 18, St. Helen's Place, E.C.
A. 28/1/83 F. 18/8/87	Philip, Arnold, Assoc. R.S.M., B.Sc. (Lond.), Physical Department, Merchant Venturers' Technical College, Bristol.
F. 8/10/80	Phillips, Arthur G., Assoc.R.S.M,, 18, Fopstone Road, Kensington, S.W.
F. 30/1/91	Phillips, Henry Joshua, Palace Chambers, Westminster Bridge, S.W.
F. 18/6/87	Pickering, Professor Percival Spencer Umfreville, M.A. (Oxon), F.R.S., 48, Bryanston Square, W.
A. 6/11/90 F. 23/8/95	Pickford, Samuel, A.R.C. Sc.I., Leyland, Preston.

Date of Admission.	FELLOWS.
F. 25/11/80	Piesse, Charles H., M.R.C.S. (Eng.), L.S.A., A.K.C. (Lond.), D.P.H. (Lond.), Consul General for Monaco, 2, New Bond Street, W.
A. 17/3/88 F. 19/1/93	Pike, Alfred Edridge, The Laboratory, Epping, Essex, and 19, Gilmore Road, College Park, Lewisham, S.W.
A. 1/7/87 F. 26/1/91	Pilkington, George, Old Market Place, Bury, Lancashire.
F. 6/11/94	Platts, John Charles, 54, Marlborough Road, Moor Oaks, Sheffield.
F. 7/4/87	|| Plimpton, Richard Tayler, Ph.D. (Marburg), 23, Lansdowne Road, Clapham Road, S.W.
F. 17/7/88	Pollard, Frederick Ernest, Old Cross, Hertford.
F. 1/1/84	Pooley, Thomas A., B.Sc. (Lond.), 76, Grove Lane, Denmark Hill, S.E.
F. 20/8/87	Porter, Herbert, The Chestnuts, Holyrood, Prestwich, near Manchester.
A. 1/11/90 F. 27/12/94	Prideaux, Robert Morris, 30, Glovers Road, Reigate, Surrey.
F. 9/5/88	Proctor, Barnard Simpson, 11, Grey Street, Newcastle-on-Tyne.
F. 24/3/87	Proctor, Charles, The Laboratory, Somerset House, W.C.
F. 25/5/91	Procter, Henry R., Yorkshire College, Leeds.
F. 21/1/78	Proctor, William Wilson, 33 and 35, The Side, Newcastle-on-Tyne.
F. 20/12/77	Purdie, Professor Thomas, B.Sc. (Lond.), Ph.D. (Würzburg), Hon. LL.D. (Aberdeen), Assoc. R.S.M., F.R.S., The University, St. Andrew's.
A. 23/12/91 F. 2/5/95	Quinn, James Cardwell, M.Sc. (Vict.), c/o Rubber Tyre Co., Ltd., Aston Cross, Birmingham.
A. 31/10/89 F. 25/1/93	Ramage, Hugh, Royal College of Science, Dublin.

Date of Admission.	FELLOWS.
F. 22/1/78	†¶ *Ramsay, Professor William, Ph.D. (Tübingen), F.R.S., University College, Gower Street, W.C.
F. 14/3/88	Rawson, Christopher, 2, Melbourne Place, Bradford.
F. 29/3/87	Rawson, Sidney George, D.Sc. (Lond.), Technical College, Huddersfield, Yorks.
F. 3/1/88	Ray, William, 121, Moorside Road, Flixton, Manchester.
A. 8/11/89 F. 18/3/95	Read, Arthur Avery, 3, Fitzalan Place, Cardiff.
F. 9/2/78	* Reddrop, Joseph, Laboratory, London and North-Western Railway, Crewe.
F. 13/4/78	Redwood, Boverton, 4, Bishopsgate Street, Within, E.C.
F. 3/3/88	Redwood, Theophilus Horne, 15, Red Lion Square, W.C.
A. 2/4/83 F. 28/5/86	Reed, Lester, "Hyrsthof," South Park Hill Road, South Croydon.
A. 30/3/83 F. 16/12/90	Reeks, Trenham Howard, Assoc.R.S.M., 39, Tierney Road, Streatham Hill, S.W.
F. 4/7/88	Reid, Walter Francis, Fieldside, Addlestone.
F. 21/12/77	¶ Reynolds, Professor James Emerson, M.D., D.Sc. (Dub.), F.R.S., Trinity College, Dublin; and Burleigh House, Burlington Road, Dublin.
F. 22/3/87	Reynolds, Richard, 13, Briggate, Leeds.
F. 19/2/78	Reynolds, William J., M.A. (Cantab), 55. Addison Mansions, West Kensington, W.
A. 27/10/91 F. 3/6/94	Richards, Percy Andrew Ellis, Charing Cross Hospital, W.C.
F. 2/12/87	Richmond, Henry Droop, Rodbourne, Claremont Road, St. Margaret's, Twickenham.
F. 23/3/87	* Rideal, Samuel, D.Sc. (Lond.), 28, Victoria Street, Westminster, S.W.
F. 21/12/87	Ridsdale, Charles Henry, Hutton Grange, Guisbrough, Yorkshire.
F. 12/12/94	Rigby, William Thomas, Public Health Laboratory, Unity Buildings, Temple Street, Birmingham.
F. 1/2/78	Riley, Edward, 14A, Finsbury Square, E.C.
F. 16/3/78	Roberts, Thomas Vaughan, B.Sc. (Lond.), County School, Dolgelly, North Wales.
F. 2/2/78	Robinson, George Carr, Chemical Laboratory, Royal Institution, Hull.

Date of Admission.	FELLOWS.
F. 3/7/93	Robson, James, Glasgow and West of Scotland Technical College, 204, George Street, Glasgow, N.B.
F. 4/3/97	Rosenblum, Sigmund Salomon G., 50, Albert Mansions, South Lambeth Road, London, S.W.
F. 26/1/97	Ross, Raymond St. George, 30, Britannia Square, Worcester.
A. 12/3/88 } F. 23/12/91 }	Rowden, William Clement, Assoc. R.S.M., 66, Warrington Road, Newcastle-on-Tyne.
F. 1/1/89	Rowland, James Scott, 135, Pearson Place, The Docks, Cardiff.
F. 14/5/88	Royle, Thomas, Dalton House, Upton Lane, Forest Gate, E.
F. 5/11/88	Ruddock, Frederick Grevile, 19, Stanley Street, Warrington.
F. 11/9/85	Ruffle, John, Gnoll Brook, Neath, South Wales.
F. 31/5/88	Rumble, Charles, 9, Sangora Road, New Wandsworth, S.W.
F. 13/7/88	Russell, William, Municipal Technical School, Suffolk Street, Birmingham.
F. 27/12/77 †*	Russell, William James, Ph.D. (Heidelberg), F.R.S., St. Bartholomew's Hospital, E.C.
F. 29/1/78	Ryan, Denis, c/o. Messrs. Raimes & Co., Micklegate, York.
F. 22/3/87	‖ Salamon, Alfred Gordon, A.R.S.M., 1, Fenchurch Avenue, E.C.
A. 26/10/91 } F. 29/4/96 }	*Salmon, Edgar Henry Rider, 70, Kenninghall Road, Lower Clapton, London, N.E.
A. 23/11/87 } F. 18/12/90 }	Salmon, Herbert J., St. Helen's, Stanthorpe Road, Streatham, S.W.
F. 29/1/78	* Salter, Mortyn John, Northcote, Beaconsfield Road, New Southgate.
A. 27/11/91 } F. 30/11/94 }	Saltmarsh, John George, Assoc.R.C.Sc., West Mount, Upton, Macclesfield.
F. 23/3/87	Sanford, Percy Gerald, 20, Cullum Street, E.C.
F. 9/5/88	Saul, John Edward, 63, Gondar Gardens, West Hampstead, N.W.
F. 22/11/87	Saunders, William Sedgwick, M.D. (Castleton Med. Coll., U.S.A.), M.R.C.S., 13, Queen Street, Cheapside, E.C.

Date of Admission.	FELLOWS.
F. 16/7/88	Sayers, Joseph Johnstone, Mayville, Stevenston, Ayrshire.
F. 6/4/88	Scarf, Isaac Sydney, City of London Schools, E.C., and 75, Oxford Road, Canonbury, N.
F. 9/6/93	Schloesser, Augustus, Ph.D. (Strassburg), M.Sc. (Vict.), The Storey Institute, Lancaster.
F. 3/12/77	Schunck, Edward, Ph.D. (Giessen), F.R.S., Kersal, Manchester.
F. 2/3/95	Scudder, Frank, Mersey and Irwell Joint Committee, 44, Mosley Street, Manchester.
F. 22/3/87	Seaton, Edward, M.D. (Lond.), The Limes, 56, North Side, Clapham Common, S.W.
F. 22/1/78	Sell, William James, M.A. (Cantab), 1, Benet Place, Cambridge.
F. 16/1/78	* Senier, Professor Alfred, M.D. (Michigan), Ph.D. (Berlin), Queen's College, Galway.
A. 1/2/78 F. 5/12/81	Senier, Harold, Braybrooke Lodge, Harrow-on-the-Hill.
F. 10/4/88	Sexton, Professor Alexander Humboldt, Metallurgical Department, Glasgow & West of Scotland Technical College, 204, George Street, Glasgow.
F. 2/7/95	Seyler, Clarence Arthur, B.Sc. (Lond.), 31, Windsor Terrace, and The Technical Institute, Swansea.
F. 8/10/80	Shadwell, John E. L., Meadow Bank, Melksham, Wilts.
A. 30/1/86 F. 8/1/89	Sharpley, William Pell, Assoc. R.C.Sc. (Dublin), Broughton Copper Co., Limited, Ditton Copper Works, Widnes.
F. 31/5/88	Shaw, Frederic William, South View, 99, Heapey Road, Chorley, Lancashire.
A. 24/1/94 F. 5/5/97	Shaw, George Elliott, c/o Messrs. Howards & Sons, Stratford, E.
A. 31/3/87 F. 23/5/91	Shegog, Thomas Alexander, 28, Ombersley Road, West Park, Newport, Monmouth.
F. 21/1/78	Shenstone, William Ashwell, Clifton College, Bristol.
F. 3/1/78	* Shepherd, Harcourt Henry Benjamin, Northcote, Mount Pleasant Lane, Upper Clapton, N.E.
A. 23/3/87 F. 12/3/90	Short, Frederick William, B.Sc. (Lond.), 14, Victoria Street, Hackney, N.E.
A. 5/2/86 F. 28/1/89	Siebold, Alfred, Eglinton Dyewood Mills, Alloa, Scotland.
F. 4/12/77	Siebold, Louis, Broomville Avenue, Sale, near Manchester.
A. 3/11/88 F. 17/12/91	Silvester, Harry, Malvern House, Handsworth, Birmingham.

Date of Admission.	FELLOWS.
F. 28/3/87	Simpson, Maxwell, B.A., M.B., Hon. M.D., Hon. LL.D. (Dub.), D.Sc. (Queen's, Ireland), F.R.S., 9, Barton Street, West Kensington, W.
F. 25/3/87	Simpson, William Selby, 95, Darenth Road, Stamford Hill.
F. 3/6/87	Skelton, John Richard, Idlehour, Thorp Saint Andrew, Norwich.
F. 15/3/88	Slater, Harold Humboldt, Thames Cement Works, Grays, Essex.
F. 6/10/80	Slatter, George William, Assoc.R.C.Sc., Saltaire, near Bradford, Yorkshire.
F. 28/1/78	Smee, Alfred Hutchinson, The Grange, Wallington, Carshalton, Surrey.
A. 4/5/78 F. 12/2/84	* Smetham, Alfred, 18, Brunswick Street, Liverpool.
A. 6/10/88 F. 5/1/92	Smith, Angus, 10, Ardgowan Street, Greenock.
F. 1/2/78	Smith, Arthur Percy, 14, Endsleigh Gardens, N.W.
F. 28/3/87	Smith, Bernard Ernest, Alkali Acts Department, Local Government Board, Whitehall, S.W., and 45, Percy Park, Tynemouth.
A. 7/11/90 F. 20/2/94	Smith, Claude, Fernside, Havering, Romford, Essex.
F. 30/6/88	Smith, Major Frederick, F.R.C.V.S., Army Veterinary Department, The Croft, Little Heath, Charlton, S.E.
F. 2/6/87	Smith, George, Nobel's Explosives Co., Polmont Station, N.B.
A. 28/8/88 F. 31/1/93	Smith, Harry, c/o Messrs. W. H. Holmes & Sons, Stepney Paint Works, Portland Road, Newcastle-on-Tyne.
F. 27/8/96	Smith, Harry Metcalfe, Chemical Laboratories, Guy's Hospital, S.E.
F. 2/1/90	Smith, Henry Heron, Chemical Laboratory, Royal Arsenal, Woolwich, S.E.
A. 6/4/78 F. 30/3/82	Smith, Henry Russell, 1, Aubert Park, Highbury Park, N.
F. 1/1/88	Smith, James Johnstone, Lockwood Brewery, Huddersfield.
F. 5/12/77	Smith, Watson, University College, Gower Street, W.C.
F. 21/3/87	Smith, Professor William Robert, M.D. (Aberd.), D.Sc. (Edin.), D.P.H.(Cantab.), 74, Great Russell Street, Bloomsbury, W.C.
F. 31/3/87	Smithells, Professor Arthur, B.Sc.(Lond.), The Yorkshire College, Leeds.
F. 23/3/87	* Snape, Professor Henry Lloyd, D.Sc., (Lond.), Ph.D. (Göttingen), University College, Aberystwith.

Date of Admission.	FELLOWS.
A. 12/11/89 F. 8/10/92	Sohn, Charles Emile, 22, Southampton Row, London, W.C.
A. 13/7/88 F. 6/5/92	Spargo, Herbert, Northumberland Road, Newcastle-on-Tyne.
F. 29/3/87	Spiller, Arnold, Oldbury Villa, Southbury Road, Enfield, N.
F. 29/1/78	Spiller, John, 2, St. Mary's Road, Canonbury, N.
F. 29/1/78	*Spiller, William, 2, Lindfield Gardens, Hampstead, N.W.
F. 30/10/90	Spilsbury, James, Mayfield, Mayfield Road, Moseley, Birmingham.
F. 21/4/87	Stanford, Edward Charles Cortis, Glenwood, Dalmuir, Dumbartonshire.
F. 12/11/90	Stansbie, John Henry, B.Sc. (Lond,) 69, Frederick Road, Aston, Birmingham.
F. 30/6/88	Staples, Henry John, Spondon, Derby.
A. 9/2/78 F. 6/2/85	Starling, John H., Meadow View, Kingston Lane, Teddington.
F. 24/12/78	Stead, John Edward, 11, Queen's Terrace, Middlesbrough.
F. 1/2/89	Stenhouse, Thomas, Public Analyst's Laboratory, Town Head, Rochdale.
F. 29/1/95	Stern, Arthur Landauer, D.Sc. (Lond.), 170, Ashby Road, Burton-on-Trent.
F. 7/12/78	* Steuart, Daniel Rankin, Broxburn, Scotland.
F. 17/12/77	Stevenson, James Cochran, Kenton Lodge, Newcastle-on-Tyne.
F. 30/6/88	Stevenson, John, M.A. (Glasgow), 219, Burdett Road, London, E.
F. 8/12/77 †	*Stevenson, Thomas, M.D. (Lond.), Laboratory, Guy's Hospital, S.E.
F. 3/1/88	Stewart, Samuel, c/o Messrs. Michael Nairn & Co., Limited, Kirkcaldy, Fife, N.B.
F. 13/2/78	Stock, William Frederick Keating, Darlington.
F. 27/12/93	Stocks, Herbert Birtwhistle, B.Sc. (Vict.), c/o Messrs. Day and Martin, Limited, Borough Road, London, S.E.
F. 27/2/95	Stoddart, Frederick Wallis, Western Counties Laboratory, Bristol; and Grafton, Sneyd Park, Clifton, Bristol.
F. 2/1/78	Stoker, George Naylor, Laboratory, Somerset House, W.C.
F. 22/3/87	Stokes, Alfred Walter, 60, Park Road, Haverstock Hill, N.W., and Vestry Hall, Paddington Green, London, W.

Date of Admission.	FELLOWS.
F. 4/7/87	Streatfeild, Frederick William, Finsbury Technical College, Leonard Street, City Road, E.C.
F. 14/5/88	Stuart, Charles Maddock, M.A. (Cantab.), St. Dunstan's College, Catford, S.E.
A. 14/11/90 F. 30/10/94	Sudborough, John Joseph, D.Sc. (Lond.), Ph.D. (Heidelberg), Chemical Laboratory, University College, Nottingham.
F. 28/1/89	Sulman, Henry Livingstone, 60, Gracechurch Street, London, E.C., and 47, Brewster Gardens, St. Quentin Park, W.
F. 22/12/87	Sutherland, David Alexander, 2, Victoria Mansions, Victoria Street, S.W.
F. 21/12/77	Sutton, Francis, Norwich.
A. 18/11/85 F. 28/1/89	Sutton, Francis Napier, 6, Grosvenor Gardens, Willesden Green, N.W.
F. 9/2/78	Swan, Joseph Wilson, 58, Holland Park, London, W.
F. 2/7/94	Sykes, Walter John, M.D. (Edin.), D.P.H. (Cantab.), 59, Friends' Road, Croydon.
F. 1/11/88	Syme, William Blair, Elm Cottage, Addiewell, West Calder, Scotland.
F. 4/5/88	Symons, William Henry, M.D. (Brux.), D.P.H. (Oxon.), M.R.C.S. (Eng.), L.R.C.P. (Lond.), Health Office, Guild Hall, Bath.
F. 10/9/88	Tate, George, Ph.D. (Würzburg), London and Lancashire Chambers, 45a, Dale Street, Liverpool.
F. 19/12/77	Tatlock, Robert R., 156, Bath Street, Glasgow.
F. 3/5/88	Taylor, Leo, 31, Moorgate Street, E.C., and Beechfield, Copeland Road, Walthamstow.
A. 13/11/90 F. 13/11/93	Taylor, Malcolm, Carnsdale Farm, Barnston, near Birkenhead.
F. 9/2/78	Taylor, Robert Lloyd, 37, Mayfield Road, Whalley Range, Manchester.
A. 7/11/89 F. 24/4/93	Teanby, George William Alvey, 41, Chestnut Road, Moseley, Birmingham.
F. 6/3/88	Teed, Frank Litherland, D.Sc. (Lond.), 15, Victoria Street, Westminster, S.W.
A. 8/11/84 F. 17/3/92	Templeton, Samuel, 44, Dublin Road, Belfast.

FELLOWS.

Date of Admission.	
A. 1/7/87 F. 1/1/91	Terry, Hubert Lanphier, 14, Herbert Street, Moss Side, Manchester.
F. 27/12/94	Thiel, Carl Walther, Ph.D. (Leipzig), Messrs. F. Reddaway & Co., Pendleton, Manchester.
F. 1/12/77	* Thomas, Joseph William, Drumpellier, Brunswick Road, Gloucester.
F. 4/1/88	Thomson, Andrew, D.Sc. M.A., (Edin.), 10, Pitcullen Terrace, Perth.
F. 15/3/88	Thomson, James Miln, Royal Gunpowder Factory, Waltham Abbey, Essex.
F. 24/1/78	Thomson, Professor John Millar, King's College, W.C.
F. 28/3/87	Thomson, Robert T., 156, Bath Street, Glasgow.
F. 15/12/77	Thomson, William, Royal Institution, Manchester.
A. 4/5/78 F. 7/2/84	Thorne, Leonard Temple, Ph.D. (Würzburg), Southampton Wharf, Battersea, S.W., and 8, Dynevor Road, Richmond, Surrey.
F. 28/11/77	*Thorp, William, B.Sc. (Lond.), 24, Crouch Hall Road, Crouch End, N.
F. 9/5/88	Thorpe, James Cole, M.A. (Oxon.), The School, Reading, and National Liberal Club, Whitehall Place, S.W.
F. 22/3/87	Thresh, John Clough, D.Sc. (Lond.), M.D., B.Ch. (Vict.), D.P.H. (Cantab), Medical Officer of Health, "Spergula," Chelmsford, Essex.
F. 1/12/77	Tichborne, Charles R. C., D.P.H. (R.C.S.I.), 15, North Great Georges Street, Dublin.
F. 25/1/78 †	*Tilden, Professor William Augustus, D.Sc. (Lond.), Hon. D.Sc. (Dublin), F.R.S., 9, Ladbroke Gardens, Notting Hill, W., and Royal College of Science, South Kensington, S.W.
A. 4/11/89 F. 13/10/93	Tocher, James Fowler, 1, Chapel Street, Peterhead.
A. 4/4/81 F. 20/12/89	Tompkins, Harry Kneebone, B.Sc. (Lond.), 40, Alexandra Road, Gipsy Hill, S.E.
A. 5/2/78 F. 1/2/83	Toms, Frederick Woodland, Official Analyst, Island of Jersey.
F. 18/1/78	Tookey, Charles, The Museum, Jermyn Street, W.
F. 25/3/87	Trigger, Oliver, Chemical Department, Woolwich Arsenal, S.E.
F. 23/3/87	Tucker, Alexander Edwin, 35, Paradise Street, Birmingham.
F. 27/3/88	Turner, Howard Blake, City Laboratory, Golden Lane, Barbican, E.C.

Date of Admission.	FELLOWS.
F. 4/7/87	Turner, Thomas, Assoc. R.S.M., County Technical Offices, Stafford.
F. 23/3/87	Typke, Paul George William, Ravenhurst, New Malden, Surrey.
F. 18/1/78	‖ Tyrer, Thomas, Stirling Chemical Works, Abbey Lane, Stratford, E.
F. 19/1/78	Umney, Charles, 50, Southwark Street, S.E.
A. 2/5/88 F. 24/10/91	Vasey, Samuel Archibald, 423, Strand, London, W.C., and Kingsthorpe, Lower Park, Loughton, Essex.
F. 8/6/95	Vautin, Claude Theodore James, 3, Upper Hamilton Terrace, London, N.W.
F. 6/6/78	Vincent, Charles Wilson, 38, Queen's Road, South Hornsey, N., and Reform Club, Pall Mall, S.W.
F. 6/1/80	Vinson, William Ellis, Gloucester Gas Light Co., Gloucester.
F. 19/10/80	‖ Voelcker, Edward William, Assoc.R.S.M., 22, Tudor Street, New Bridge Street, E.C.
F. 18/12/77	¶ Voelcker, John Augustus, Ph.D. (Giessen), B.A., B.Sc.(Lond.), Hon. M.A. (Cantab), 20, Upper Phillimore Gardens, Kensington, W.; Royal Agricultural Society of England, 13, Hanover Square, W.; Laboratory: 22, Tudor Street, New Bridge Street, London, E.C.
F. 17/12/91	Wade, John, B.Sc. (Lond.), Wyvenhoe, Purley, Surrey, and Guy's Hospital, London, S.E.
F. 14/3/88	* Walker, Archibald, M.A. (Oxon), 8, Crown Terrace, Glasgow.
A. 11/11/87 F. 3/2/91	Walker, Fred, 94, Vernon Terrace, Neath Road, Briton Ferry, South Wales.
F. 24/6/78	* Walker, John Francis, M.A. (Cantab), 45, Boothan, York.
F. 26/1/88	Waller, Bryan Charles, M.D. (Edin.), Masongill House, Cowan Bridge, Kirkby Lonsdale.
F. 2/3/88	Wallis, Henry Weston, B.A. (Oxon), Broad Street House, London, E.C.
F. 2/5/78	Ward, George, Buckingham Terrace, Headingley, Leeds.
F. 25/1/78	Warington, Robert, M.A., F.R.S., High Bank, Milton Road, Harpenden, Herts.

Date of Admission.	FELLOWS.
F. 27/7/94	Warmington, Edward Augustus, Ph.D. (Leipzig), 36, Cannon Street, Birmingham.
A. 5/6/84) F. 28/5/87)	Warrington, Arthur Walley, M.Sc. (Vict.), University College of Wales, Aberystwyth.
F. 25/9/94	Waterfall, Charles James, 4, Queen Square, Bristol.
A. 19/10/93) F. 4/5/97)	Watson, Arthur Alfred, B.Sc. (Vict.), 14, Lansdowne Place, Bradford, Yorks.
F. 9/2/78	* Watt, Alexander, 19, Brompton Avenue, Sefton Park, Liverpool.
F. 20/12/83	Watts, Charles W., 49, Goldhurst Terrace, London, N.W.
F. 1/2/78	* Watts, John, M.A. (Oxon), D.Sc. (Lond.), Chemical Laboratory, The Museum, Oxford.
F. 25/3/87	Watts, William Marshall, D.Sc. (Lond.), B.Sc. (Vict.), Giggleswick School, Settle, Yorkshire.
F. 9/5/88	Webster, Charles Stuart Stanford, Malvern House, Redland, Bristol.
F. 2/5/79	Wells, George I. J., 77, Parkgate Road, Chester.
F. 26/3/88	Werner, Emil Alphonse, 5, Church Avenue, Rathmines, Dublin.
F. 9/12/87	Wertheimer, Professor Julius, B.Sc., B.A. (Lond.), Merchant Venturers' Technical College, Bristol.
F. 3/11/80	Westmoreland, James W., Assoc.R.S.M., 14A, Finsbury Square, and 2, City Road, E.C.
F. 2/4/87	Weston, William, Assoc.R.S.M., H.M. Dockyard, Portsmouth.
F. 13/5/78	Whewell, George, Town Hall Chambers, 11, Exchange Street, Blackburn.
F. 9/2/78	* Whiffen, William George, Lombard Road, Battersea, S.W.
A. 7/7/88) F. 28/1/92)	White, Edmund, B.Sc. (Lond.), St. Thomas's Hospital, London, S.E., and Sunnyside, Oxford Road, Putney, S.W.
A. 10/3/88) F. 26/5/91)	White, John, County Offices, St. Mary's Gate, Derby.
F. 4/11/96	White, John Harry, A.R.S.M., The Derwent Iron and Steel Works, Workington, Cumberland.
F. 30/3/87	Whiteley, Richard Lloyd, 20, Beeches Road, West Bromwich.
F. 21/3/87	Williams, Charles Greville, F.R.S., Castlemaine, Oakhill Road, Putney, S.W.
F. 17/12/87	Williams, Rowland, "Sunny Lea," Aldcliffe Road, Lancaster.
F. 22/2/93	Williams, Walter Collingwood, B.Sc. (Lond.), The County Laboratory, 30, Brownlow Street, Liverpool.
F. 27/4/94	* Williams, Professor William Carleton, B.Sc. (Lond.), 23, Broomgrove Road, Sheffield.

Date of Admission.	FELLOWS.
A. 1/1/90 F. 27/10/92	Williams, William Lloyd, Phœnix Mills, and Erbistock Villa, 10, Miskin Road, Dartford.
F. 23/2/78	Williamson, Robert, 58, Percy Park, Tynemouth.
A. 1/10/88 F. 11/10/93	Williamson, Sidney, Ph.D. (Munich), Central Technical College, South Kensington, London, S.W.
F. 3/8/88	Wilson, Andrew, Analytical Chemist, Stirling.
F. 4/1/84	Wilson, Charles J., 14, Old Queen Street, Westminster, S.W.
F. 27/11/77	Wilson, George Fergusson, F.R.S., Heather Bank, Weybridge Heath.
F. 5/4/92	Wilson, Harry, 146, High Street, Southampton.
A. 6/11/88 F. 31/1/78	Wilson, James Henry, 6, Fenchurch Buildings, E.C.
A. 18/11/89 F. 26/4/93	Winder, Goodlatte Richardson, Ph.D. (Zürich), The Villas, Bramhall, near Stockport.
F. 30/3/87	Wingham, Arthur, Livermead House, Torquay.
F. 9/2/78	Winser, Percy James, "Greendale," Bebington, near Birkenhead.
F. 27/6/92	Wirtz, Quirin, M.A., Ph.D. (Bonn), 28, Great Ormond Street, W.C.
F. 10/11/87	Wolf, Alfred, M.A., Ph.D. (Leipzic), Church, near Accrington.
F. 2/1/78	Wood, Charles Henry, "Belle Vue," Rusham Road, Egham.
F. 24/4/79	Wood, George William, A.K.C., County Council, Spring Gardens, S.W., and "Ballagowne," Riggindale Road, Streatham.
F. 23/3/87	Woodward, James, B.A., B.Sc. (Lond.), 144, Osborne Road, Forest Gate, E.
A. 1/1/90 F. 29/6/92	Woosnam, Richard William, 43, Dean Road, Willesden Park, N.W.
F. 10/3/88	Worrall, Jason Hall, "Howsley," Chapeltown, near Sheffield.
A. 3/11/91 F. 7/12/94	Wyatt, Thomas Mervyn, Assoc. R.C.Sc., Chemical Department, Woolwich Arsenal. S.E.
F. 1/4/87	Wynne, William Palmer, D.Sc. (Lond.), Assoc.R.C.Sc., F.R.S., Royal College of Science, South Kensington, and 35, Parsons' Green, Fulham, S.W.
F. 6/11/88	* Young, Professor Sydney, D.Sc. (Lond), F.R.S., University College, Bristol, and 10, Windsor Terrace, Clifton.
F. 14/3/78	* Young, William Charles, Analytical Laboratories, 19 & 20. Aldgate, E.C.

NUMBER OF FELLOWS RESIDENT IN GREAT BRITAIN AND IRELAND .. 724.

NAMES OF FELLOWS RESIDENT ABROAD.

Date of Admission.	
F. 11/8/92	Albuquerque, Professor John Pedrozo d', M.A. (Cantab), Government Laboratory, Barbados, West Indies.
F. 10/8/88	Babington, Frederick William, Laboratory, Inland Revenue Department, Ottawa, Canada.
F. 7/1/78	Barret, Edward Louis, B.Sc. (Lond,) 11, Rue de l'Hotel de Ville, Neuilly-sur-Seine, Paris.
F. 18/6/90	Barry, Thomas David Collis, M.D. (Bombay), Grant Medical College, Bombay, India.
A. 21/2/78 F. 10/3/88	Beckett, George Henry, Villa Nobel, San Remo, Italy.
F. 25/8/88	Bemrose, Joseph, 56, St. Famille Street, Montreal, Canada.
F. 30/11/88	Berry, Edward Elhanan, Villa Rosa, Bordighera, Italy.
F. 23/1/78	Bowrey, James John, Kingston, Jamaica (and c/o J. E. Bowrey, 62, Penshurst Road, S. Hackney).
F. 23/3/87	Briggs, Thomas Lynton, 357, Madison Street, Brooklyn, New York, U.S.A.
F. 17/2/93	Burnham, John Charles, B.Sc. (Vict.), Kirkee, India.
F. 1/2/78	Cameron, John Macdonald, Deputy Master, The Mint, Sydney, N.S.W.
F. 21/3/87	Carmody, Professor Patrick, Government Laboratory, Port of Spain, Trinidad, West Indies.
F. 7/1/78	Cloud, Thomas Charles, Assoc.R.S.M., Wallaroo, South Australia.

FELLOWS.

Date of Admission.	
A. 7/11/88 F. 27/10/91	Collins, Sydney Hoare, Dehra Dun, North-West Province, India.
F. 21/2/78	Cooke, Samuel, M.A. (Dublin), College of Science, Poona, India.
F. 20/1/80	Criper, William Risdon, Assoc.R.S.M., Konnagar, Calcutta, India.
F. 21/4/93	Dains, Herbert Henry, 3, Cantonment, Vizianagram, Madras.
F. 26/5/88	Dalziel, Samuel, Smyrna.
F. 23/10/88	Davidson, Robert, c/o Messrs. Dalgety & Co., Ltd., 5, Bent Street, Sydney, N.S.W.
F. 22/5/78	* Divers, Professor Edward, M.D. (Queen's University, Dublin), F.R.S., Hongo, Tokyô, Japan.
A. 18/11/91 F. 20/7/96	Dixon, Andrew James, c/o The Smelting Company of Australia, Dapto, N.S.W.
F. 11/6/78	Dixon, William Adam, Technical College, Harris Street, Sydney, N.S.W., Australia.
F. 6/2/78	Dougall, Samuel S., Beaufort Street, Perth, Western Australia.
F. 6/6/87	Eastick, John Joseph, Millaquin Refinery, Bundaberg, Queensland, Australia (and c/o Messrs. Connell & Co., Dunster House, Mark Lane, E.C.)
F. 27/3/97	* Edwards, Wilbraham Tollemache Arthur, Agricultural Experiment Station, Réduit, Mauritius.
F. 16/9/88	Ellis, Professor William Hodgson, M.A., M.B. (Toronto), School of Practical Science, Toronto, Canada.
F. 7/5/78	Foord, George, Royal Mint, Melbourne, Victoria, Australia.
A. 7/10/92 F. 16/6/96	Fryer, Arthur Frederick, M.Sc. (Vict.) Grey Institute, Port Elizabeth, South Africa.

Date of Admission	FELLOWS.
F. 31/5/89	Galbraith, David Rankin Shirreff, Victoria Avenue, Remuera, Auckland, New Zealand.
F. 25/4/88	Girdwood, Gilbert Pront, M.D.C.M. (Canada), M.R.C.S. (Eng.), 82, University Street, Montreal, Canada.
F. 16/2/78	* Greenway, Thomas J., Marlborough Street, College Park, Adelaide, South Australia.
F. 6/4/80	Hake, Cecil Napier, Department of Trade and Customs, Melbourne, Victoria, Australia.
F. 30/7/88	Hamlet, William Mogford, Government Laboratory, Sydney, N.S.W., Australia.
F. 17/3/88	Harrison, John Burchmore, M.A. (Cantab.), Government Laboratory, British Guiana (and c/o Harrison, Griffin & Co., Bridgewater Place, Manchester).
F. 11/3/79	Hoffmann, G. Christian, LL.D. (Queen's University, Canada), Geological Survey of Canada, Ottawa, Canada.
A. 3/12/78 F. 25/1/83	Hooker, Ayerst Henham, Director Egyptian Government, Salt Department, Ministry of Finance, Bonlac, Cairo, Egypt.
F. 14/5/88	Hooper, David, Ootacamund, Madras, Calcutta.
F. 6/3/88	Hunt, Bertram, 216, Sansome Street, San Francisco, California, U.S.A.
A. 23/3/87 F. 28/3/93	Ince, Walter Holinshed, Ph.D. (Wurzburg), Port of Spain, Trinidad.
A. 7/11/90 F. 30/4/95	Jackson, Samuel, A.R.C.Sc. (Lond.), c/o Messrs. Binny & Co., Madras, East Indies.
F. 19/2/78	Johnson, Thomas H., Forcite Works, Landing, New Jersey, U.S.A.
A. 23/1/94 F. 4/5/97	Kibble, William Oakes, Coromandel, New Zealand.
F. 19/5/94	Law, Robert, Royal Mint, Melbourne, Victoria.
F. 20/3/88	Lawrance, Henry Awbrey, Avondale House, Bree Street, Cape Town, Cape Colony.

Date of Admission.	FELLOWS.
F. 4/11/90	Leather, John Walter, Ph.D. (Freiburg), Dehra Dun, North-West Province, India.
F. 13/4/78	* Liversidge, Professor Archibald, M.A. (Cantab), Assoc. R.S.M., LL.D. (Glasgow), F.R.S., The University, Sydney, N.S.W., Australia.
A. 7/10/92 F. 4/1/97	* Lloyd, Miss Emily Jane, B.Sc., Girls' Collegiate School, Port Elizabeth, Cape Colony.
A. 13/11/90 F. 21/1/94	MacDonald, William, Assoc. R S.M., Tung Wên Kuan (Imperial College), Peking, China.
A. 24/3/87 F. 28/7/91	* Marriott, Thomas Bruce, Passengem Mine, Ouro Preto, Brazil.
F. 7/4/96	Mousley, Frank, A.R.S.M., The Royal Mint, Melbourne, Victoria, Australia.
F. 17/11/77	Nevill, Edmund Neville, The Government Laboratory, Natal.
A. 18/10/92 F. 13/1/97	Orr, William, The Gold and Silver Extraction Company of America, Limited, 210, McPhee Building, Denver, Colorado, U.S.A.
F. 21/12/95	Page, Hastings Montague, Sangam, Poona, India.
F. 27/11/77	* Pedler, Professor Alexander, F.R.S., Presidency College, Calcutta, India.
A. 5/1/86 F. 30/11/93	Radulowitz, Dragomir W., Belgrade, Servia.
F. 21/1/80	Rennie, Edward H., D.Sc. (Lond.), University of Adelaide, South Australia.
F. 7/6/87	* Robinson, Henry Halliburton, M.A. (Oxon), The Imperial College, Hankow, China.

Date of Admission.	FELLOWS.
F. 13/1/96	Rogers, George Joseph, Assoc.R.C.Sc., Wallaroo Smelting Works, Wallaroo, South Australia.
F. 6/7/80	Roy, Taraprasanna, 68/6, Punchanontala Lane, Calcutta, India.
A. 30/5/88 F. 25/4/96	Sanderson, John, P.O. Box 84, Middlesborough, Bell Co., Kentucky, U.S.A.
A. 17/2/93 F. / /97	Sawers, William Duncan, The Balaghât Mysore Mines, Limited, Oorgaum, Mysore State, S. India.
A. 12/1/88 F. 24/1/23	Scrutton, Willis J. C., Cue, Western Australia.
F. 18/1/89	Shutt, Frank Thomas, M.A., Chief Chemist, Dominion Experimental Farms, Ottawa, Canada.
F. 16/12/81	* Smith, Alfred Mica, School of Mines, Ballarat, Victoria, Australia.
F. 11/6/87	Smith, John Henry, Ph.D. (Zurich), Assoc.R.C.Sc. (Dublin), Wollishofen, Zurich, Switzerland.
A. 3/8/88 F. 21/2/95	* Thorne, Edward Ernest Howard, Bridgetown, Barbados, West Indies.
F. 1/10/92	Urich, Adolph, Ph.D. (Heidelberg), Port of Spain, Trinidad, West Indies.
F. 19/8/89	Van Geyzel, John Lawrence, Indian Medical Service, Madras, India.
F. 8/10/80	* Walton, Thomas U., B.Sc. (Glasgow), Colonial Sugar Co., Sydney, N.S.W., Australia.
A. 23/12/91 F. 21/12/94	Watson, Eric Edmund, c/o La Campañia de Fundicion, Beneficiadorá, Antofagasta, Chile, (and c/o Messrs. S. Watson & Co., 11, Dale Street, Liverpool).

FELLOWS.

Date of Admission.	
A. 1/11/90 F. 22/2/96	Watson, Henry, The Government Laboratory, Brisbane, Queensland.
F. 2/12/87	Watson, John, P.O. Box 317, Johannesburg, S.A.R.
F. 4/12/90	Watts, Francis, Government Laboratory, Antigua, West Indies.
F. 2/10/88	Way, Edward John, P.O. Box, 540, Johannesburg, S A.R.
A. 30/10/88 F. 3/7/91	Weeks, Henry Bridges, Government Chemist, Cossipore, Calcutta, India.
F. 28/5/90	White, John Tsawoo, M.A. (Calcutta), Treasury Officer, Katha, Upper Burma.
F. 12/2/78	Williams, William John, Analytical and Technical Chemist, 518, Pearl Street, Camden, New Jersey, U.S.A.
F. 9/9/87	Wilson, Professor William Herbert, Ph.D. (Heidelberg), Presidency College, Madras, India.
F. 1/2/78	Woodcock, Reginald C., The American and Continental "Sanitas" Co., Limited, 636, West 55th Street, New York, U.S.A.

NUMBER OF FELLOWS ABROAD .. .. 79.

NAMES OF ASSOCIATES RESIDENT IN GREAT BRITAIN AND IRELAND.

Date of Admission.

26/7/94.—Adams, Arthur, Kelvin House, Edgbaston Road, Smethwick.

28/12/93.—Andrews, Edmund Alibert, c/o Messrs. H. I. B. Condy & Co., Manufacturing Chemists, Battersea, London, S.W.

29/1/97.—Appleyard, George Henry, c/o A. H. Allen, Esq., F.I.C., 67, Surrey Street, Sheffield.

30/10/94.—Archdeacon, William Henry, B.Sc. (Vict.), 27, Bull Green, Halifax.

16/3/94.—Baker, Julian Levett, Stamford, Headham Road, Upper Tooting, London, S.W.

7/10/92.—Baly, Edward Charles Cyril, University College, Gower Street, W.C.

26/1/97.—Barlow, Walter Harry, 152, Osbalderson Road, Stoke Newington, N.

30/10/94.—Barlow. William, 311, Market Street, Droylsden, Manchester.

3/6/96.—Barnes, Charles Kepler, 3, Harley Street, Warbeck Park, Aintree, Liverpool.

28/12/93.—Barratt, William Steers, 35, Mawson Street, Ardwick Green, Manchester.

31/7/94.—Bloch, Olaf Frederick Charret, 29, Lansdowne Road, Clapham, S.W.

18/8/96.—Blyth, Meredith Wynter, B.A. (Cantab.) B.Sc. (Lond.), 29, Norfolk Road, St. John's Wood, London, N.W.

31/7/95.—Bodey, Augustus Charles, Parmiter's School, Approach Road, Victoria Park, N.E.

3/8/95.—Bowie, James Girdwood, 27, Albany Street, Edinburgh.

14/8/95.—Bowles, Horace Edgar, 53, Dunsmure Road, Stamford Hill, London, N.

14/5/88.—Bredin, James Crawford, St. Mary's College, Oscott, Erdington, Birmingham.

Date of Admission.

ASSOCIATES.

3/2/97.—Brooks, Cecil Joslin, 24, Wood Street, Woolwich, S.E.

21/12/93.—Brown, George Edward, Laboratory, Great Western Railway Company, Swindon, Wilts.

21/7/94.—Bull, Benjamin Samuel, Ph.D. (Munich), M.A., B.Sc. (Ch. Ch., N.Z.), 9, Guthrie Street, Chelsea, S.W.

31/7/95.—Burbridge, James Kerry, Moor's Lea, Winchmore Hill, Middlesex.

22/12/91.—Burton, Joseph, "Crompton Fold," Clifton Junction, Clifton, near Manchester.

5/6/95.—Carr, Francis Howard, Meaburne, Warham Road, Croydon.

30/7/94.—Carter, Walter Charles, 19, Short Strand, Belfast.

21/12/93.—Chambers, Thomas, c/o Messrs. J. Pattison & Co., 48, Paton Street, Glasgow, N.B.

8/7/95.—Chilwell, John, Oakeswell, Wednesbury.

17/11/90.—Clayton, George Christopher, Ph.D. (Heidelburg), Standfield, Wavertree, Liverpool.

5/2/97.—Collingridge, Frank, B.Sc. (Lond.), Kenmore, Shepherd's Hill, Highgate, N.

14/11/90.—Conroy, James Terence, B.Sc. (Lond.), Woodstock, New Brighton, Cheshire.

11/3/97.—Cooper, William Ranson, M.A., B.Sc. (R.U.I.), A.C.G.I., Carisbrooke, Upper Tulse Hill, S.W.

28/12/93.—Davies, Percy Marr, Assoc.R.C.Sc. (Dublin), St. Andrew's, Newton Heath, Manchester.

6/11/95.—Desch, Cecil Henry, B.Sc. (Lond.), 7, John Street, Stratford-on-Avon.

22/7/95.—Dodd, Frederick Robertson, 259, Cheetham Hill Road, Manchester.

27/8/96.—Donald, James Wallace, 1, Park Terrace, Langside, Glasgow, N.B.

30/6/88.—Draper, Carter Napier, Consuelo, CowperRoad, Rathmines, Dublin.

28/1/95.—Ellis, Charles Sordes, 24, Athol Terrace, Mentor Street, Rusholme, Manchester.

Date of Admission.

ASSOCIATES.

15/3/95.—Findlay, Hugh, Meltham Mills, Meltham, near Huddersfield.

8/2/86.—Firth, A., 12a, Christchurch Terrace, Heaton Norris, Stockport.

2/2/95.—Forster, Martin Onslow, Ph.D. (Wurzburg), Royal College of Science, South Kensington, S.W.

7/10/92.—Francis, Francis Ernest, B.Sc. (Vict.), Ph.D. (Erlangen), University College, Bristol.

30/6/96.—George, George, Allan Glen's School, Glasgow.

4/11/89.—Gibbins, Cecil, 177, Redland Road, Bristol.

13/11/90.—Gilbody, Alexander William, M.Sc. (Vict.), Ph.D. (Munich), 6, Claremont Road, Alexandra Park, Manchester.

10/11/90.—Goodall, Walter, Alma House, Pudsey, near Leeds.

17/11/88.—Green, Alfred Henry, Oaklands, Lowton, Newton-le-Willows.

25/1/95.—Halliwell, Edward, Alexandra Crescent, Dewsbury.

2/11/94.—Hanes, Edgar Septimus, 108, Alexandra Road, St. John's Wood, N.W.

23/1/94.—Hanley, John, 38, Hornby Road, Bootle, Liverpool.

27/4/94.—Hannah, William, 93, North Frederick Street, Glasgow.

3/1/95.—Hardwick, William Roscoe, B.Sc. (Vict.), c/o Messrs. Huson Brothers, 5, York Buildings, Liverpool.

31/1/96.—Harger, John, B.Sc. (Vict.), Ph.D. (Heidelberg), Mason College, Birmingham.

27/8/96.—Harrison, Charles Edward, B.A. (Cantab.), 53, Lansdowne Road, London, W.

22/11/88.—Harvey, Henry Cummins, Raglan House, Brooklands, Manchester.

12/11/94.—Hastings, Hugh, 3, St. Clement's Mansions, Lillie Road, S.W.

30/7/94.—Hatfield, John Adams, 89, Bridge Street, Wednesbury.

8/2/97.—Hawkins, Ernest Mostyn, Vambéry, 57, Lewin Road, Streatham, S.W.

29/10/95.—Hill, Charles Alexander, 101, Southwark Street, London, S.E.

13/6/88.—Hill, Thomas Eustace, M.B., B.Sc. (Edin.), 12, Old Elvet, Durham.

28/2/96.—Hudson-Cox, Frederick, c/o A. H. Allen, Esq., F.I.C., 67, Surrey Street, Sheffield.

3/2/96.—Hunt, Philip Charles Holmes, Holmside, Gravelly Hill, Birmingham.

Date of Admission.

ASSOCIATES.

3/9/94.—Innes, William Ross, Ph.D. (Heidelberg), B.Sc. (Vict.), Mason College, Birmingham, and Norlands, Victoria Road, Crosby, Liverpool.

13/11/90.—Jones, Barton W., Hooton Grange, near Chester.
6/11/94.—Jones, Philip Henry, 51, The Woodlands, Birkenhead.

7/10/92.—Kendrew, Thomas, Broughton Copper Works, Salford, Manchester.
30/4/97.—King, Herbert, B.Sc. (Vict.), 4, North Street, Scarborough.

1/1/87.—Leon, John Temple, 38, Portland Place, W.
17/2/94.—Le Sueur, Henry Rondel, B.Sc. (Lond.), St. Thomas' Hospital, Medical School, Albert Embankment, S.E.

6/7/94.—Mann, Harold Hart, B.Sc. (Vict.), 7, Minster Yard, York.
7/1/96.—McKillop, Frederick William, Edenkill, Strathblane,
27/12/93.—McMullan, Charles, 20, Corn Market, Belfast.
6/10/95.—Meggitt, Loxley, The Laurels, St. John's Street, Mansfield.
21/12/91.—Millar, James Hill, c/o Horace T. Brown, Esq., F.R.S., F.I.C., 72, Chancery Lane, W.C.
23/1/89.—Miller, James Bruce, Rubislaw Den, North Aberdeen.
9/9/96.—Mills, Charles, A.C.G.I., 21, St. Mary Abbotts Terrace, Kensington, W.
23/9/96.—Muter, Alexander Henry Mitchell, The Châtelet, Horley, Surrey.

Date of Admission.

ASSOCIATES.

1/9/96.—Peck, Ernest Lawrence, B.Sc. (Vict.), 34, Victoria Road, Great Crosby, near Liverpool.

1/8/94.—Perry, George Henry, B.Sc. (Lond.), Assoc. R.C.Sc. (Lond.), Chemical Department, Royal Arsenal, Woolwich, S.E.

27/2/88.—Purvis, John Edward, M.A. (Cantab.), Assoc. R.C.Sc. I. University Chemical Laboratory, Cambridge.

14/8/94.—Ralston, William, B.Sc. (Lond.), 337, Cathcart Road, Glasgow.

7/11/90.—Ramsay, William, 15, Lime Grove, Seaforth, Liverpool.

30/7/95.—Ridding, Howard Charles, Assoc. R.S.M., 20, Algernon Road, Birmingham.

31/7/95.—Robins, Walter, B.Sc. (Lond.), 9, Northbrook Road, Lee, London, S.E.

22/12/91.—Rogers, William Andrew Carey, 53, Beryl Road, Hammersmith, W.

23/7/94.—Ross, Arthur, 1, Glengall Road, Old Kent Road, S.E.

18/2/93.—Rudolf, Norman Scott, B.Sc. (Vict.), c/o Messrs. Parke, Davis & Co., 21, North Audley Street, London, W.

30/1/95.—Russell, George Harrison, c/o Messrs. Thomson Bros., Gelatine Manufacturers, New Chester Road, Birkenhead.

31/1/95.—Seabrooke, Herbert Cecil, The Laboratory, The Brewery, Reading.

27/7/94.—Sharrott, Thomas Chilwell, A.R.C.Sc. (Lond.), Chestnut House, Tamworth.

29/10/94.—Shelbourn, Edward Thomas, 198, Monument Road, Edgbaston, Birmingham.

17/3/96.—Sodeau, William Horace, B.Sc. (Lond.), 25, Shore Road, South Hackney, N.E.

29/12/94.—Southerden, Frank, 75, Barry Road, Dulwich, S.E.

25/1/95.—Sutton, William Lincolne, London Street, Norwich.

29/10/94.—Thomason, William, c/o Messrs. Doulton & Co., Lambeth Pottery, London, S.E.

Date of Admission.

ASSOCIATES.

13/11/90.—Wagstaffe, Ernest Arthur, Ph.D. (Munich), M.Sc. (Vict.), Birch View, Birch Vale, near Stockport.

26/1/97.—Walker, John Allsop, B.A. (Oxon), 67, Branstone Road, Burton-on-Trent.

1/11/93.—Wareing, Arthur Edward, Bedford House, Appleton, Widnes.

13/2/96.—Whitton. James Tod, Nobel's Explosives Works, Ardeer, Stevenston, Ayrshire.

19/5/96.—Wharton, Frederick Malcolm, Pendennis, King's Heath, near Birmingham.

22/11/90.—Wild, John, 30, Hyde Road, Woodley, Stockport.

1/1/94.—Willcox, William Henry, B.Sc. (Lond.), Brookfield House, Melton Mowbray.

17/11/90.—Wilson, John H., 29, Radford Street, Coventry.

1/1/88.—Wise, John Bailey, Assoc.R.C.Sc. I., 190, Bellfield Street Glasgow.

30/4/97.—Woollatt, George Henry, 252, Ashmore Road, Paddington London, W.

22/12/93.—Wright, Sidney Bristow, Henley's Telegraph Works, North Woolwich.

30/11/94.—Young, Henry Stow, 13, Balham Grove, Balham, S.W.

30/1/95.—Young, William Gathorne Maurice, Normanhurst, High Road Romford, Essex.

Number of Associates Resident in Great Britain and Ireland .. 106

ASSOCIATES RESIDENT ABROAD.

Date of Admission.

23/7/95.—Buchanan, John, The General Gold Extracting Company, Limited, 1,530, Wynkoop Street, Denver, Colorado, U.S.A.

30/10/91.—Butcher, Herbert Thomas, c/o Messrs. Butcher & Sons, D'Urban, Natal, South Africa.

26/10/94.—Chalmers, John, Hanan's Australia Gold Mining Company, Kalgoorlie, Western Australia.

6/1/87.—Cooksey, Thomas, B.Sc. (Lond.), Ph.D. (Marburg), Clissold, Alfred Street, Reserre, North Sydney, Australia.

24/7/94.—Crossley, Watson, c/o Pennsylvania Salt Manufacturing Company, Natrona, Alleghany Co., Pennsylvania, U.S.A.

7/1/96.—Feilmann, Martin Ernest, B.Sc. (Lond.), Chemisches Laboratorium des Eidg. Polytechnikums, Zürich, Switzerland.

3/2/97.—Guthrie, Thomas, B.Sc. (Vict.), K. W. Universität, Strassburg.

17/11/90.—Marsh, Henry Simpson, Central Experimental Farm, Ottawa, Canada.

26/1/97.—Moore, William, Dibrugarh, Upper Assam.

30/7/95.—Warden, John Blair, c/o Cassel Gold Extracting Company, Limited, Vancouver, British Columbia.

NUMBER OF ASSOCIATES ABROAD 10

SUMMARY OF MEMBERS.

Fellows Resident in Great Britain and Ireland ..	724
,, ,, Abroad	79
Associates Resident in Great Britain and Ireland ..	106
,, ,, Abroad	10
Total Number of Members	919

CANDIDATES who have passed the Final Examination for the Associateship, and will be elected to the Associateship on attaining the requisite Age.

July, 1896.—Caspari, William Augustus, B.Sc. (Vict.), 183, Lodge Lane, Sefton Park, Liverpool.
(University College, Liverpool.)

July, 1896.—Jackson, Percy George, 2, Stratford Square, Nottingham.
(University College, Nottingham.)

July, 1896.—Trantom, William, B.Sc. (Vict.), 10, Field Road, New Brighton, Cheshire.
(University College, Liverpool.)

CANDIDATES who have passed the Intermediate Examination.

Jan., 1896.—Shrewsbury, Herbert Sutcliffe.

July, 1896.—Imrie, John.

,, Parkes, Albert Edward.

Jan., 1897.—Berry, Reginald Arthur.

,, Foster, John Alfred.

,, Littlefield, Robert Dexter

STUDENTS who have passed the Practical Examination (under Regulations in force prior to Oct. 1st., 1893), and will be admitted to the Associateship on attaining the requisite Age.

Date of Examination.

July, 1895.—Andrews, Ernest Robert, 53, Glengarry Road, East Dulwich, S.E.
(Finsbury Technical College.)

July, 1896.—Fry, George Cecil, B.Sc. (Vict.), Dronfield Grammar School, near Sheffield.
(Yorkshire College, Leeds.)

July, 1895.—Hirst, Henry Reginald, B.Sc. (Vict.), 4, Marlborough Villas, Victoria Avenue, Harrogate.
(Yorkshire College, Leeds.)

July, 1896.—Hooton, William Marrs, B.Sc. (Vict.), Glen Villa, Castle Place, Aberavon, Glamorgan.
(University College, Liverpool.)

July 1896.—Swan, James Robertson, 15, Rose Street, Garnethill, Glasgow.
(Glasgow and West of Scotland Technical College.)

July, 1896.—Turnbull, Robert Hutchison, 120, Nithsdale Road, Pollokshields, Glasgow.
(Glasgow and West of Scotland Technical College.)

STUDENTS.

After each Student's name is given, in brackets, that of the Member who signed his Application Form, or that of the College from which he applied.

* *Students, whose names are marked with an* (*) *asterisk were admitted under Regulations in force prior to October 1st,* 1893.

Date of Admission.

* 12/5/91.—Amer, Richard Quick, 34, Isledon Road, Holloway, N.
(Finsbury Technical College, London.)

1/5/94.—Ashby, Charles Edmund, 24, Gordon Street, Gordon Square, W.C.
(Professor W. R. Dunstan, M.A., F.R.S.)

30/11/94.—Ashworth, Frank, St. Peter's College, Cambridge, and 12, Manchester Road, Rochdale.
(William French, M.A., F.I.C.)

8/12/96.—Austin, John Hilditch, Allscott, Wellington, Salop.
(Mason College, Birmingham.)

* 17/2/93.—Barber, Edward Claude Percival, 34, Westbourne Terrace, Leeds.
(Yorkshire College, Leeds.)

*13/10/93.—Beale, Frederick James, 14, Redland Park, Redland, Bristol.
(E. H. Cook, D.Sc., F.I.C.)

5/12/94.—Bear, Wilfrid Mayhew, 70, Onslow Gardens, Highgate, N.
(Bernard Dyer, D.Sc., F.I.C.)

30/4/95.—Berry, Reginald Arthur, The University Chemical Laboratory, Pembroke Street, Cambridge.
(Cambridge University.)

Date of Admission.

STUDENTS.

21/10/95.—Birt, George Campbell, 87, High Street, Stourbridge.
(Mason College, Birmingham.)

* 17/2/93.—Blake, Edward Vernon Brodie, Berkeley Mansions, 64, Seymour Street, Portman Square, W.
(King's College, London.)

* 10/3/93.—Bloxam, Hugh Charles Loudon, Chemical Department, Goldsmiths' Technical Institute, New Cross, S.E.
(A. G. Bloxam, F.I.C.)

20/1/94.—Boardman, Thomas Henry, Crow Trees Farm, Radcliffe, Manchester, and D., Old Court, St. Peter's College, Cambridge.
(W. French, F.I.C.)

22/2/96.—Booth, Norman Parr, 14, Alcester Road, Moseley, Birmingham.
(Mason College, Birmingham.)

26/10/94.—Bowen, William, Chesterton, near Bridgnorth, Salop.
(Mason College, Birmingham.)

11/12/94.—Bowles, Bertram H., 53, Dunsmure Road, Stamford Hill, N.
(Finsbury Technical College.)

* 10/3/93.—Boylan, Alfred Hunter, Ellerslie, Richmond Road, Ealing, W.
(J. P. Laws, F.I.C.)

* 17/2/93.—Bradford, Henry, 32, Holborn Viaduct, London, E.C.
(E. G. Clayton, F.I.C.)

30/10/96.—Brislee, Francis Joseph, 2, Northcote Villas, Manor Road, Liscard, Cheshire.
(J. H. J. Dagger.)

4/12/94.—Brittain, Charles Edward, 11, Highfield, Scarborough.
(Yorkshire College, Leeds.)

* 20/1/93.—Brooke, John Richard, 20, Aberdeen Park, Highbury, N.
(Professor W. R. Dunstan, M.A., F.R.S., F.I.C.)

1/5/96.—Brown, Harold, 27, Cambridge Street, London, S.W.
(Professor W. R. Dunstan, F.R.S.)

* 16/6/93.—Bruce, James, 10, Selwood Terrace, Fulham Road, S.W.
(Royal College of Science, London.)

* 17/2/93.—Burgess, Herbert Edward, 16, Bloomsbury Street, London, W.C.
(King's College, London.)

* 16/6/93.—Burrows, Harry, The Green, Southgate, N.
(Professor W. R. Dunstan, M.A., F.R.S., F.I.C.)

*20/10/91.—Caines, Charles March, 158, Elgin Avenue, Maida Vale, London, W.
(A. H. Allen, F.I.C.)

*13/10/93.—Caldwell, William Alfred, c/o Messrs. John Hughes & Co., Londonderry, Ireland.
(Glasgow and West of Scotland Technical College.)

Date of Admission.

STUDENTS.

29/10/95.—Calvert, Harry Thornton, Roscoe Terrace, Armley, Leeds.
(Yorkshire College, Leeds.)

* 20/1/93.—Campion, Alfred, jun., Blochairn Steel Works, Glasgow, N.B.
(Finsbury Technical College, London.)

31/10/95.—Carden, Alexander, 32, Leinster Square, Bayswater, W.
(A. C. Chapman, F.I.C.)

3/11/93.—Carr, Archibald Wildon, 178, Clapham Road, London, S.W.
(University College, London.)

30/11/94.—Carroll, Joseph, M.B. (Glasgow) D.P.H. (Cambridge), 115, Bath Street, Ilkeston, Derbyshire.
(University College, Nottingham.)

*13/10/93.—Castell-Evans, John William, 60, New Oxford Street, London, W.C.
(Finsbury Technical College.)

* 16/6/93.—Chapman, Arthur Jenner, Burleigh House, Yerbury Road, Upper Holloway, N.
(Finsbury Technical College.)

*13/10/93.—Charlton, William Sydney, 20, Saxe-Coburg Street, Leicester.
(University College, Nottingham.)

* 27/7/93.—Clark, Ernest Victor, 34, St. Aubyn's, Hove, Sussex.
(Royal College of Science, Dublin.)

4/11/95.—Collis, Walter Thomas, Swinford House, Stourbridge.
(Mason College, Birmingham.)

22/2/95.—Cooper, Albert John Bullen, Grimston Lawn, Ealing, W.
(Professor W. R. Dunstan, M.A., F.R.S., F.I.C.)

29/11/95.—Cooper, John, 20, Derwentwater Road, Bensham, Gateshead-on-Tyne.
(Durham College of Science, Newcastle-on-Tyne.)

30/4/95.—Coysh, Basil Radcliffe, Callanders, Bushey Heath, Herts.
(King's College, London.)

5/3/96.—Crosskey. Alexander Nash, 35, Abingdon Mansions, Kensington, W.
(Central Technical College, South Kensington.)

30/10/96.—Danks, Martin William, Bath House, Holyhead Road, Coventry.
(Mason College, Birmingham).

* 27/6/90.—Dauziger, Henry, Fir View, King's Norton, Birmingham.
(J. Carter Bell, F.I.C.)

*13/10/93.—DeCastro, John Paul, 16, Little Grosvenor Street, Berkeley Square, London, W.
(Cambridge University Laboratory.)

Date of Admission.

STUDENTS.

30/10/95.—Denney, Edwin James, The White House, North Walsham, Norfolk.
(F. Sutton, F.I.C.)

1/5/97.—Dewar, Alexander Hugh, 8, Miller Road, Ayr, N.B.
(Glasgow and West of Scotland Technical College.)

*13/10/93.—Dodd, Sydney Herbert, Ventnor Cottage, Bulwer Road, New Barnet.
(Finsbury Technical College.)

*13/10/93.—Doresa, Reginald Nestor Stavro, Cephalonia, 14, Sydenham Road, Cotham, Bristol.
(E. H. Cook, D.Sc., F.I.C.)

16/8/96.—Dougall, Archibald, Brooklands, Blakebrook, Kidderminster.
(Mason College, Birmingham.)

26/10/95.—Duckham, Alexander. 40, Crooms Hill, Greenwich Park, S.E.
(University College, London.)

22/2/95.—Dunscombe, Frederick Charles, Shortwood Lodge, Pucklechurch, Gloucester.
(Professor Julius Wertheimer, B.Sc., B.A., F.I.C.)

30/4/95.—Durant, Henry Thomas, 26, Maitland Park Villas, Hampstead, N.W.
(Professor W. R. Dunstan, M.A., F.R.S., F.I.C.)

* 16/6/93.—Dykes, James, Junr., The Consolidated Bellingwe Development Company, Limited, Bellingwe, Matabeleland.
(Glasgow and West of Scotland Technical College.)

1/6/95.—Entwistle, Albert Lucas, Lark Hill, Walmersley Road, Bury.
(T. J. Hutchinson, F.I.C.)

25/1/96.—Faill, James, 1, Hawarden Terrace, Patrickhill, Glasgow.
(Glasgow and West of Scotland Technical College.)

* 17/2/93.—Fell, John Campbell, George Street, Louth, Lincs.
(Finsbury Technical College, London.)

* 17/2/93.—Ferguson, Howard, Furnace Hill House, Clay Cross, Chesterfield.
(Mason College, Birmingham.)

*27/12/94.—Field, George John, 25, Narford Road, Clapton, N.E.
(Finsbury Technical College.)

26/11/95.—Findlay, Guy, Fernielea, Darvel, Ayrshire.
(Glasgow and West of Scotland Technical College.)

* 12/5/91.—Forster, Ferdinand Edward Paul, 30, Ashby Road, Burton-on-Trent.
(Messrs. F. E. Lott, F.I.C., & C. G. Matthews, F.I.C.)

Date of Admission.

STUDENTS.

*13/10/93.—Foster, Hasslewood Irving, The Elms, Anlaby Road, Hull.
(J. Baynes, F.I.C.)

13/11/96.—Fotheringham, John, 28, Barnwell Terrace, Govan, Glasgow, N.B.
(Glasgow and West of Scotland Technical College.)

1/5/97.—Fox, Charles James John, 166, Stroud Green Road, Finsbury Park, London, W.
(University College, London.)

* 25/7/93.—Froysell, Herbert Henry, 64, Wordsworth Street, Liverpool.
(University College, Liverpool.)

* 20/7/93.—Galletly, John Clark, 101, Armadale Street, Dennistoun.
(Glasgow and West of Scotland Technical College.)

*13/10/93.—Garrett, Henry, Meadowbank House, Carrickfergus.
(Queen's College, Belfast.)

22/7/96.—Gibbs, Reginald William Malyon, 49, Park Road, New Wandsworth, S.W.
(Professor John Attfield, F.R.S., F.I.C.)

22/6/96.—Gilles, William Setten, 3, Elm Road, Beckenham.
(Central Technical College, South Kensington.)

*13/10/93.—Glen, Hugh Young, Dalmonach Print Works, Alexandria, Dumbartonshire.
(Glasgow and West of Scotland Technical College.)

/5/97.—Goodwin, William, 120, Blythswood Drive, Glasgow.
(Glasgow and West of Scotland Technical College.)

26/10/94.—Gornall, Frank Howorth, Ribblesdale, Grappenhall, near Warrington.
(Owen's College, Manchester.)

*13/10/93.—Goulding, Ernest, 18, Mercer's Road, Holloway, N.
(Professor W. R. Dunstan, M.A., F.R.S., F.I.C.)

* 10/3/93.—Granger, James Darnell, 25, All Saints Street, Nottingham.
(University College, Nottingham.)

4/11/96.—Gray, Archibald, Middleton, Dalry, Ayrshire, N.B.
(Glasgow and West of England Technical College.)

30/10/94.—Green, John Wilberforce, Lindale, Crystal Palace Park Road, Sydenham, S.E.
(Charles E. Cassal, F.I.C., *left* 1896).

3/7/95.—Grenside, Claude Bolton, Brockhurst, Southend Road, Beckenham, Kent.
(University College, London.)

* 16/6/93.—Grimwood, Robert George, 41, Lady Margaret Road, St. John's College Park, N.W.
(R. Grimwood, F.I.C.)

2/7/95.—Hackman, Charles Adolphus, 2, Cottesmore Villas, High Street, Barnes.
(King's College, London.)

Date of Admission.

STUDENTS.

* 16/6/93.—Haigh, Percy, 16, Atherton Road, Forest Gate, Essex.
(C. Estcourt, F.I.C.)

20/1/94.—Hallaway, Robert Railton, B.Sc. (Dunelm), 5, Devonshire Street, Carlisle.
(Durham College of Science, Newcastle-on-Tyne).

* 20/7/93.—Hardy, James Gordon, 5, Dalkeith Avenue, Dumbreck, Glasgow.
(Glasgow and West of Scotland Technical College.)

*13/10/93.—Harrison, John Bristowe Pease, 51, Kirkgate, Wakefield.
(Thomas Fairley, F.I.C.)

5/3/97.—Heaton, Noël, Verulam, Chester Road, Erdington, Nr. Birmingham.
(University College, London.)

* 20/7/93.—Henderson, James, B.Sc. (Edin.), Gabelsberger Strasse 63, 2b, Munich, Germany.
(University College, Dundee.)

1/5/94.—Henry, Thomas Anderson, 29, Coulton Street, Barrow-in-Furness, Lancashire.
(Professor W. R. Dunstan, M.A., F.R.S.)

1/5/97.—Hill, Henry William, 38, Beechcroft Road, Leytonstone, N.E.
(Finsbury Technical College.)

* 10/3/93.—Hill, Thomas Alexander Wright, 10, Lloyd Street, Small Heath, Birmingham.
(University College, Nottingham.)

1/5/97.—Hinks, Percy John, Morwenstowe, Moreton Road, S. Croydon.
(Royal College of Science, London.)

*13/10/93.—Horsman, Frederick, 78, Ham Park Road, Forest Gate, Essex.
(Finsbury Technical College.)

26/10/94.—Hurst, Wilfrid, 11, Alton Terrace, Fairfield, Manchester.
(J. Carter Bell, F.I.C.)

28/12/94.—Imrie, John, 415, Shields Road, Pollokshields, Glasgow.
(Glasgow and West of Scotland Technical College.)

2/6/94.—Jenkins, John Edward, 82, Anerley Park, Anerley, S.E.
(A. E. Pike, F.I.C.)

27/2/97.—Jones, Ernest Victor, The Oaklands, Wolverhampton.
(Mason College, Birmingham.)

27/2/97.—Jones, Harold Bruce, The Oaklands, Wolverhampton.
(Mason College, Birmingham.)

*13/10/93.—Jones, Joseph Walker, c/o Messrs. Nobel's Explosives Company, Perranporth R.S.O., Cornwall.
(Glasgow and West of England Technical College.)

* 10/3/93.—Jowett, Hooper Albert Dickinson, D.Sc. (Lond.), c/o Messrs. Burroughs, Wellcome & Co., Snow Hill Buildings, Holborn, London, E.C.
(Professor W. R. Dunstan, M.A., F.R.S., F.I.C.)

Date of Admission.

STUDENTS.

* 17/2/93.—Kenyon, Richard Ernest, 124, Wilderspool Road, Warrington.
(University College, Liverpool.)

* 26/6/91.—Kerr, James, B.Sc. (Edin.), c/o Linlithgow Oil Co., Ltd., Linlithgow.
(Stevenson Macadam, Ph.D., F.I.C.)

5/5/96.—Kinnersley, Henry Wulff, The Avenue, Keynsham, Somerset.
(Dr. E. H. Cook, F.I.C.)

*13/10/93.—Kirkcaldie, James Cullen, Surgeons' Hall, Edinburgh.
(W. Ivison Macadam, F.I.C.)

* 16/6/93.—Kitchin Jonathan, 7, Lonsdale Terrace, St. Bees, Cumberland.
(University College, Liverpool.)

* 17/2/93.—Knight, John Burnett, Bushwood, Leytonstone.
(Finsbury Technical College, London.)

*13/10/93.—Lewes, George Henry, 33, Shoe Lane, London, E.C.
(King's College, Strand.)

*23/10/91.—Lishman, George Percy, Thornhill Park, Sunderland.
(Prof. W. Ivison Macadam, F.I.C.)

27/4/94.—Littlefield, Robert Dexter, 4, Victoria Terrace, Hove, Sussex.
(University College, London.)

9/7/95.—Lloyd, Thomas Henry, Penygraig, near Pontypridd.
(University College, Cardiff.)

* 16/6/93.—Lyle, Robert Ferris, 25, Brisbane Street, Greenock.
(T. Law Patterson, F.I.C.)

*13/10/93.—Maccallum, John Malcolm, Braemar Lodge, 21, Bentinck Street, Greenock, N.B.
(Angus Smith, F.I.C.)

18/1/96.—MacMahon, Frederick William, 32, Helix Road, Brixton Hill, S.W.
(Prof. W. R. Dunstan, M.A., F.R.S.)

*25/10/89.—Mallalieu, Thomas Chapman, (address unknown), late of Anlage 24C., Heidelberg, Germany.
(J. Carter Bell, F.I.C.)

21/12/94.—Maryon, Frank Walter, New Street, Chelmsford.
(Professor W. R. Dunstan, M.A., F.R.S., F.I.C.)

21/12/95.—McCandlish, David, Portland Gate, Leeds.
(Thomas Fairley, F.I.C.)

* 24/4/93.—McConnell, Arthur Hotham, 35, Bernard Street, Russell Square, W.C.
(Finsbury Technical College, E.C.)

Date of Admission.

STUDENTS.

* 17/2/93.—McCrae, John, Jun., 7, Kirklee Gardens, Kelvinside, Glasgow.
(Glasgow and West of Scotland Technical College, Glasgow.)

28/4/96.—Mead, Gerald, Balcombe Rectory, Hayward's Heath.
(University College, London.)

29/1/96.—Melling, Samuel Ernest, Owen's College, Manchester.
(Owen's College, Manchester.)

4/1/95.—Milne, Fitzgerald Henry, 18, Richmond Road, Handsworth, Birmingham.
(Mason College, Birmingham.)

16/7/96.—Money, Harold Blomfield, Stodham Park, East Liss, Hants.
(King's College, London.)

* 17/2/93.—Monteith, James, 4, Christie Street, Paisley.
(Glasgow and West of Scotland Technical College, Glasgow).

*13/10/93.—Morison, James, Colonial Sugar Refinery Co., 7, O'Connel Street, Sydney, N.S.W., Australia.
(Glasgow and West of Scotland Technical College.)

1/7/95.—Nash, Leonard Myddelton, 281, Seven Sisters Road, Finsbury Park, London, N.
(King's College, London.)

4/11/96.—Orme, Walter George, 94, Tettenhall Road, Wolverhampton.
(Mason College, Birmingham.)

9/12/96.—Paine, Ernest Louis Evelyn, Highland, St. Lawrence, Jersey.
(F. W. Toms, F.I.C.)

3/7/94.—Parkes, Albert Edward, 56, Lawrence Lane, Old Hill, Staffordshire.
(Mason College, Birmingham.)

* 4/7/92.—Parnall, John, jun., Cliffe, near Rochester.
(Professor Julius Wertheimer, B.Sc., B.A., F.I.C.)

10/12/94.—Paul, John (address unknown), late of Surgeon's Hall, Edinburgh.
(W. Ivison Macadam, F.I.C.)

27/12/94.—Peachey, Stanley John, 48, Grange Road, Bermondsey, S.E.
(Finsbury Technical College).

* 15/3/90.—Pearmain, Thomas Hames, The Laboratory, Apothecaries' Hall, Blackfriars, E.C.
(A. H. Allen, F.I.C.)

Date of Admission.

STUDENTS.

26/1/95.—Pollard, Harold Ernest, 43, Hampton Park, Redland, Bristol.
(University College, Bristol.)

* 18/6/91.—Priest, Martin, Chemical Laboratory, Apothecaries' Hall, Blackfriars, E.C.
(Finsbury Technical College, London.)

30/4/95.—Read, Harold McLean, 17, Bloomsbury Square, London, W.C.
(Professor W. R. Dunstan, M.A., F.R.S., F.I.C.)

* 17/2/93.—Remington, John Stewart, 133, Market Place, Cirencester.
(Mason College, Birmingham.)

30/12/96.—Robinson, John Bradbury, Goldwell Hill, Chesterfield.
(Firth College, Sheffield.)

6/12/94.—Rowland, George Edmund, 2, Fort Royal Hill, Worcester.
(Mason College, Birmingham.)

19/11/94.—Sadler, William Mackenzie, 191, St. John Street, E.C.
(Finsbury Technical College, London.)

*13/10/93.—Sage, Charles Edward, 8, Fisher Street, Red Lion Square, W.C,
(T. A. Ellwood, F.I.C.)

2/7/95.—Searle, Alfred Broadhead, 280, Western Bank, Sheffield.
(A. H. Allen, F.I.C.)

30/10/94.—Shedden, Frank, 5, Belvidere Road, Walsall.
(Mason College, Birmingham).

27/4/95.—Shrewsbury, Herbert Sutcliffe, 12, Balmoral Road, Nottingham.
(University College, Nottingham.)

* 17/2/93.—Shurlock, Frederick William, B.A., B.Sc. (Lond.), 67, Waverley Road, Redland, Bristol.
(University College, Bristol.)

25/1/96.—Smith, Norman, 99, Manchester Road, Bury, Lancs.
(Owen's College, Manchester.)

* 7/10/92.—Spencer, E. Stacey, Bentfield Bury, Stansted, Essex.
(Finsbury Technical College, London.)

4/12/94.—Stevens, Henry Potter, 14, Lower Sloane Street, Chelsea, S.W.
(St. John's College, Oxford.)

* 20/7/93.—Stievenard, Charles Léonce Albert, 154, Elgin Avenue Maida Vale, W.
(King's College, Strand.)

* 29/4/92.—Stirling, William, 128, Essex Road, Islington, N.
(H. R. Gregory, F.I.C.)

Date of Admission.

STUDENTS.

9/12/96.—Sugden, John Henry, B.Sc. (Vict.), Fell Lane, Keighley, Yorks.
(Yorkshire College, Leeds.)

* 9/5/90.—Styles, Robert Curling, Knockhall, Greenhithe.
(The late Dr. A. J. Bernays.)

*13/10/93.—Thomas, Albert Edward, Melbourne House, St. George, Bristol.
(Professor Julius Wertheimer, B.Sc., B.A., F.I.C.)

*13/10/93.—Thomas, George Devenish, 6, Oldbury Court Road, Fishponds, Bristol.
(Professor Julius Wertheimer, B.Sc., B.A., F.I.C.)

27/2/97.—Thomas, Theodore Charles, Rodmill, Bromley Grove, Shortlands, Kent.
(Finsbury Technical College.)

* 20/7/93.—Thorpe, Jocelyn Field, Ph.D. (Heidelberg), Owen's College, Manchester.
(Royal College of Science, South Kensington.)

*13/10/93.—Tickle, Thomas, 17, Bloomsbury Square, London, W.C.
(Professor W. R. Dunstan, M.A., F.R.S.)

* 13/10/93.—Towse, Walter, 55, Well Close Terrace, Woodhouse Lane, Leeds.
(Yorkshire College, Leeds).

* 20/7/93.—Turnbull, Andrew, The University, Heidelberg, Germany.
(Glasgow & West of Scotland Technical College).

* 1/3/92.—Turner, Alfred John, 41, Myddelton Square, E.C.
(Finsbury Technical College, London.)

* 24/4/93.—Venner, Luke, Ridgway Road, Redhill, Surrey.
(Finsbury Technical College, E.C.)

* 21/4/93.—Wagner, William George, Glyndhurst, Ealing Common, W.
(H. W. Wallis, F.I.C.)

6/7/94.—Walter, John McQueen, 4, Berkeley Crescent, Clifton, Bristol.
(University College, Bristol.)

20/2/94.—Warren, Bertram William John, 6, Willes Road, London, N.W.
(Mason College, Birmingham).

Date of Admission.

STUDENTS.

*13/10/93.—Wason, Hugh, P.O. Box, 98, Johannesburg.
(Glasgow & West of Scotland Technical College.)

* 21/4/93.—Watson, John, Hillside Cottage, Hawick, N.B.
(Royal College of Science, S. Kensington, S.W.)

27/12/94.—Weissmuller, Edouard Franz, 58, Shardeloes Road, New Cross, S.E.
(Finsbury Technical College.)

27/12/94.—Weissmuller, Ernest Charles, 58, Shardeloes Road, New Cross, S.E.
(Finsbury Technical College.)

* 17/2/93.—White, Arthur Lee, Royal College of Science, South Kensington, London, S.W., and 8, Blenheim Road, Wakefield, Yorkshire.
(Yorkshire College, Leeds.)

* 4/12/94.—Whitehouse, Philip Lewington, 213, Berkeley Street, Sandyford, Glasgow.
(Glasgow & West of Scotland Technical College.)

19/7/94.—Whiteside, George Calvert, 17, Maxwell Road, Rathgar, Dublin.
(Royal College of Science, Dublin.)

3/12/95.—Whittaker, Harold Hindle, 9, Coverdale Road, Lancaster.
(Dr. A. Schloesser, F.I.C.)

29/1/96.—Wild, Rowland Cecil, 106, Leadenhall Street, London, E.C.
(C. J. Head, F.I.C.)

27/4/96.—Wills, Edward Chaning, Abbey Park, Keynsham, near Bristol.
(Dr. E. H. Cook, F.I.C.)

5/12/94.—Woodman, William Eustace, 145, Broomwood Road, Wandsworth Common, S.W.
(King's College, London.)

31/12/94.—Wray, Edward, 15, Clayton Street, Clayton, Manchester.
(Finsbury Technical College.)

*13/10/93.—Younger, Herbert Whesterby, 12, Cromwell Avenue, Highgate, N.
(Finsbury Technical College).

17/7/94.—Zia, Mehemmed, University College, Gower Street, W.C.
(University College, London.)

SUMMARY OF STUDENTS.

From Recognised Training Colleges	120
From Members of the Institute	61
Total Number of Students	181

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Institute of Chemistry Laboratories.

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J. MILLAR THOMSON,
Registrar.